PLASMA DISPLAY

Owner's Instructions

PL-42S4S

This device is a Class B digital apparatus.

Important Warranty Information Regarding Television Format Viewing

Wide screen format PDP Displays (16:9,the aspect ratio of the screen width to height) are primarily designed to view wide screen format full-motion video. The images displayed on them should primarily be in the wide screen 16:9 ratio format, or expanded to fill the screen if your model offers this feature and the images are constantly moving. Displaying stationary graphics and images on screen, such as the dark side-bars on nonexpanded standard format television video and programming, should be limited to no more than 5% of the total television viewing per week.

Additionally, viewing other stationary images and text such as stock market reports, video game displays, station logos, web sites or computer graphics and patterns, should be limited as described above for all televisions. ***Displaying stationary images that exceed the above guidelines can cause uneven aging of PDP Displays that leave subtle, but permanent burned-in ghost images in the PDP picture. To avoid this, vary the programming and images, and primarily display full screen moving images, not stationary patterns or dark bars.*** On PDP models that offer picture sizing features, use these controls to view different formats as a full screen picture.

Be careful in the selection and duration of television formats used for viewing. Uneven PDP aging as a result of format selection and use, as well as burned-in images, are not covered by your Samsung limited warranty.

User Instructions

Screen Image retention

Do not display a still image (such as on a video game) on the plasma display panel for more than several minutes as it can cause screen image retention. This image retention is also known as "screen burn". To avoid such image retention, refer to page 36 of this manual to reduce the degree of brightness and contrast of the screen when displaying a still image.

Altitude

The PDP will not operate normally at altitudes above 6500 ft.

Heat on the top of the PDP TV

The top side of the product may be hot after long periods of use as heat dissipates from the panel through the vent hole in the upper part of the product.
This is normal and does not indicate any defect or operation failure of the product.
However, children should be prevented from touching the upper part of the product.

The product is making a 'cracking' noise.

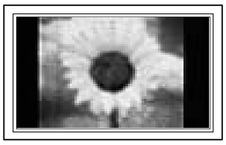
A 'cracking' noise may occur when the product contracts or expands due to a change of surrounding environment such as temperature or humidity. This is normal and not a defect of the unit.

Cell Defects

The PDP uses a panel consisting of 1,230,000(SD-level) to 3,150,000(HD-level) pixels which require sophisticated technology to produce. However, there may be few bright or dark pixels on the screen. These pixels will have no impact on the performance of the product.

Avoid operating the TV at temperatures below 5°C(41°F)

A still image displayed too long may cause permanent damage to the PDP Panel.



Watching the PDP TV in 4:3 format for a long period of time may leave traces of borders displayed on the left, right and center of the screen caused by the difference of light emission on the screen.
Playing a DVD or a game console may cause similar effect to the screen.
Damages caused by the above effect are not covered by the Warranty.

Afterimage on the Screen.

Displaying still images from Video games and PC for longer than a certain period of time may produce partial afterimages.
To prevent this effect, reduce the 'brightness' and 'contrast' when displaying still images for a long time.

Warranty

Warranty does not cover any damage caused by image retention.
Burn-in is not covered by the warranty.

Table of Contents

General Information

Your New Plasma Display Panel 6

Remote Control Buttons 8

How to assemble the Stand-Base 10

Connections

Connecting VHF and UHF Antennas 12

Connecting Cable TV 13

Connecting a VCR 15

Connecting a Camcorder 16

Connecting a DVD Player 17

Connecting a DTV Receiver 18

Operation

Turning the PDP On and Off 20

Plug & Play Feature.....................................22

Memorizing the Channels 25

Setting Up Your Remote Control 30

Viewing an External Signal Source 32

Picture Control

Customizing the Picture 36

Using Automatic Picture Settings 37

Selecting the Color Tone 38

DNIe (Digital Natural Image engine) 39

Changing the Screen Size 40

Freezing the Picture 42

Viewing the Picture-in-Picture 43

Selecting a Signal Source (Antenna or Cable) for PIP 48

Setting the My Color Control Mode 50

Sound Control

Customizing the Sound 56

Using Automatic Sound Settings 57

Choosing a Multi-Channel Sound (MTS)Soundtrack 58

Using the Auto Volume 59

Setting the TruSurround XT 60

Listening to the Sound of the Sub (PIP) Picture........61

Selecting the Internal Mute...........................62

Channel Control

Fine Tuning Channels 64

LNA (Low Noise Amplifier) 65

Connecting a PC and Operation

Connecting a PC 68

Adjusting the PC Screen 72

Changing the Position of the Image................73

Picture Quality Adjustment 74

Information 77

Time Setting

Setting the Clock 80

Setting the Sleep Timer 81

Setting the Timers 82

Function Description

Selecting a Menu Language 86

Digital Noise Reduction 87

Selecting the Film Mode 88

Using the Color Weakness
Enhancement Option...................................89

Setting the Melody Sound 90

Setting the Blue Screen 91

Setting the Child Lock 92

Viewing Closed Captions 93

Appendix

Troubleshooting 96

Care and Maintenance 97

Specifications...98

Note

- The information contained in this User's Manual is subject to change without prior notice for improvement, and may vary depending on the version of the PDP TV's software and the regional conditions.

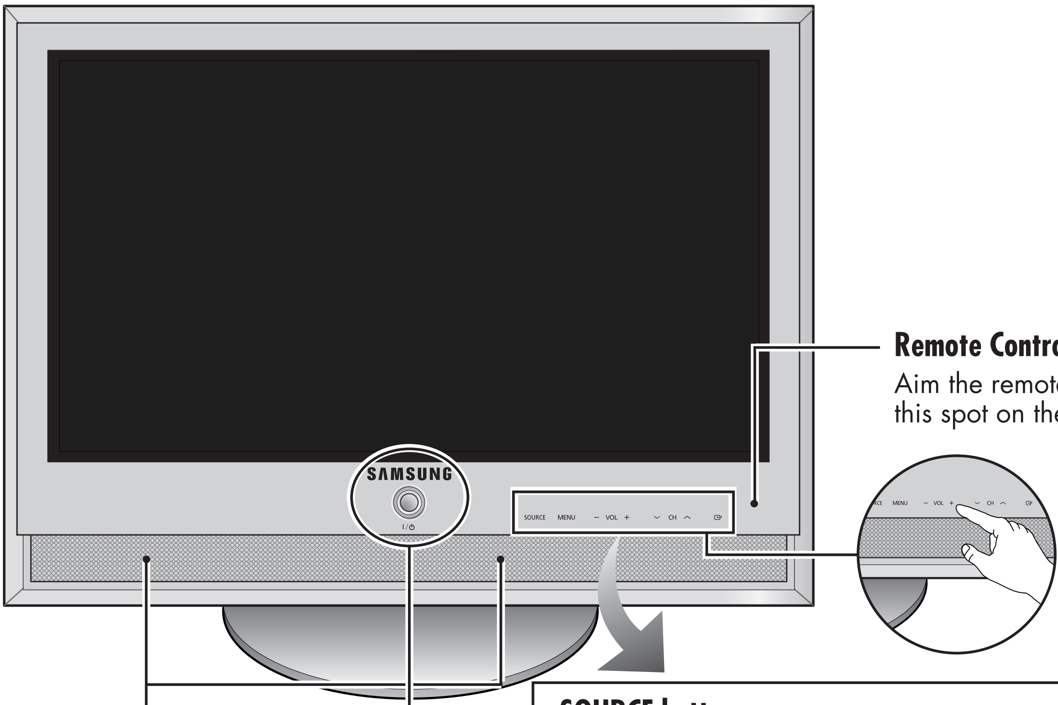
PLASMA DISPLAY PANEL

General Information

Your New Plasma Display Panel 6
Remote Control Buttons 8
How to assemble the Stand-Base 10

Your New Plasma Display Panel

Front Panel



Remote Control Signal Receiver
Aim the remote control towards this spot on the PDP.

TOUCH buttons
Touch the printed names of each button using your finger to operate it.

Speakers

I / ⏻
Press to turn the PDP on and off.

Power Indicator
- Power Off: Blue
- Power On: Off

SOURCE button
Press to display all of the available video sources (TV, AV1, AV2, AV3, S-VIDEO1, S-VIDEO2, COMPONENT1, COMPONENT2, PC, and DVI).

MENU button
Displays the main on-screen menu.

VOL(+,-) button
Press to increase or decrease the volume. Also used to select or adjust items on the on-screen menu.

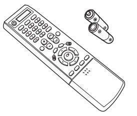
CH(∧,∨) button
Press CH∧ or CH∨ to change Channels.
Also used to move up or down in the On-screen menu.

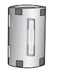
ENTER(⏎) button
Press to confirm a selection.

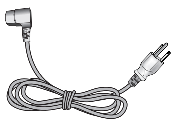
Checking Accessories

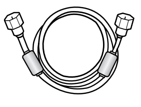
Once you have unpacked your PDP, check to make sure that you have all the parts shown here.
If any piece is missing or broken, call your dealer.

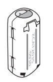
Owner's Instructions


Remote Control/AAA Batteries
(BN59-00377G)

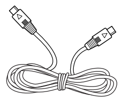

Ferrite Core for Cable (3EA)
(3301-001201)

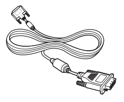

Power Cord
(3903-000195)

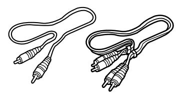

Antenna Cable
(BN39-00333A)

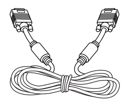

Ferrite Core for Power Cord
(3301-001110)

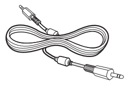
Sold Separately


S-VIDEO Cable
(AA39-40001E)

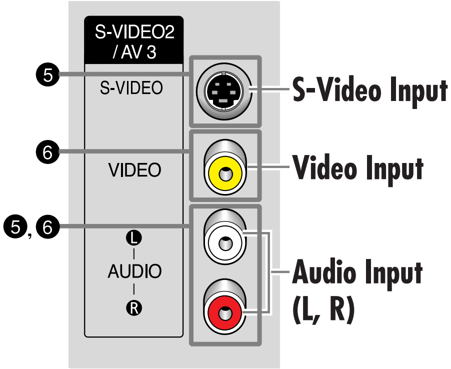

DVI Cable
(BN39-00072A)


Component Cables (RCA)
(AA39-00033A)


PC Cable
(AA39-00288A)

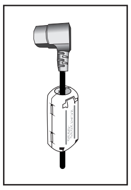

PC Audio Cable
(BH39-00120A)

Side of the TV

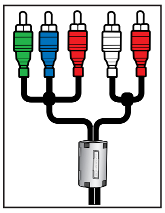

S-VIDEO2 / AV 3
S-VIDEO
VIDEO
L
AUDIO
R
5
6
5, 6
S-Video Input
Video Input
Audio Input (L, R)

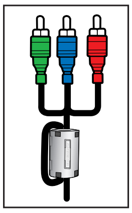
Ferrite Cores

The ferrite cores are used to attenuate undesired signals. When connecting cables, attach one of these ferrite cores to the cable near the connector.

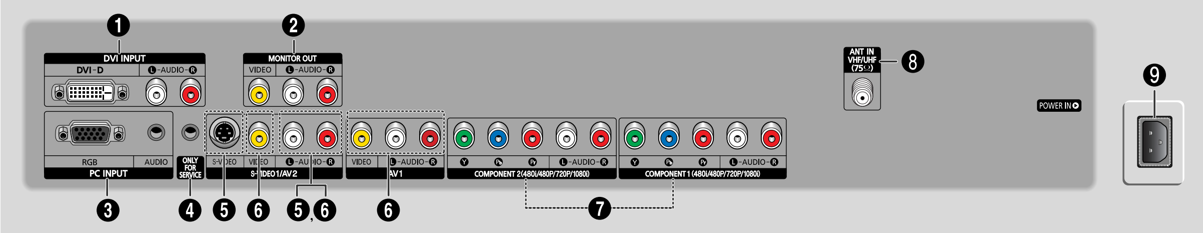


When you connect cable to COMPONENT1, COMPONENT2, and side AV attach ferrite core near the connector and clip to secure it. You can attach a ferrite core to more than one cable. If the cable thickness does not allow to secure it firmly, wind the wire around the ferrite core before closing it (as illustrated).





Rear Panel


1
2
DVI INPUT
DVI-D
L-AUDIO-R
MONITOR OUT
VIDEO
L-AUDIO-R
ANT IN VHF/UHF (75Ω)
8
9
POWER IN
RGB
AUDIO
PC INPUT
ONLY FOR SERVICE
S-VIDEO
VIDEO
L-AUDIO-R
S-VIDEO1/AV2
VIDEO
L-AUDIO-R
AV1
Y
Pb
Pr
L-AUDIO-R
COMPONENT 2(480i/480P/720P/1080i)
Y
Pb
Pr
L-AUDIO-R
COMPONENT 1 (480i/480P/720P/1080i)
3
4
5
6
5, 6
6
7

❶ DVI INPUT (DVI-D / L-AUDIO-R)

Connect to the digital video and audio output jack of a device with DVI output.

❷ MONITOR OUT (VIDEO / L-AUDIO-R)

Outputs for external devices

❸ PC INPUT (RGB / AUDIO)

Connect to the video and audio output jack on your PC.

❹ ONLY FOR SERVICE

Connector for service only.

❺ S-VIDEO1, S-VIDEO2 (S-VIDEO1 or S-VIDEO2 / L-AUDIO-R)

Video and audio inputs for external devices with an S-Video output, such as a camcorder or VCR.

❻ AV1, AV2, AV3 (VIDEO / L-AUDIO-R)

Video and audio inputs for external devices, such as a camcorder or VCR.

❼ COMPONENT1, COMPONENT2

Video (Y/Pb/Pr) and audio (L-AUDIO-R) inputs for Component.

❽ ANT IN VHF/UHF (75Ω)

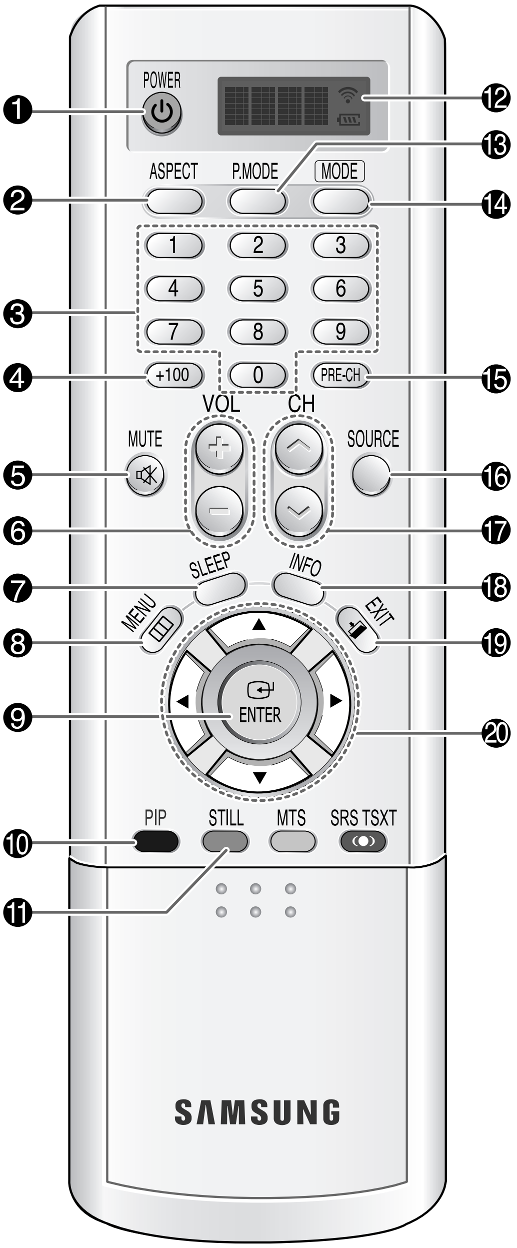
75Ω Coaxial connector for Antenna/Cable Network.

❾ POWER IN

Connect the supplied power cord.

Remote Control Buttons

Remote Control



❶ **POWER button**
Turns the PDP on and off.

❷ **ASPECT button**
Press to change the screen size.

❸ **Number buttons**

❹ **+100 button**
Press to select channels over 100. For example, to select channel 121, press “+100”, then press “2” and “1.”

❺ **MUTE button**
Press to mute the PDP sound.

❻ **VOL (Volume) buttons**
Use it to adjust volume.

❼ **SLEEP button**
Press to select a preset time interval for automatic shut off.

❽ **MENU button**
Displays the main on-screen menu.

❾ **ENTER button**
Confirms a selection.

❿ **PIP button**
Activates picture in picture.

⓫ **STILL button**
Press to pause the current screen.

⓬ **LCD Display**
When you press a button, ‘📶’ appears along with selected mode (TV, VCR, CATV, DVD, or STB) and the remote's battery charge status.

⓭ **P.MODE button**
Adjust the PDP picture by selecting one of the preset factory settings (or select your personal, customized picture settings.)

⓮ **MODE button**
Selects a target device to be controlled by the Samsung remote control (ie., VCR, Cable, DVD players, or STB). If you change modes, the new mode is momentarily displayed on LCD.

⓯ **PRE-CH button**
Tunes to the previous channel.

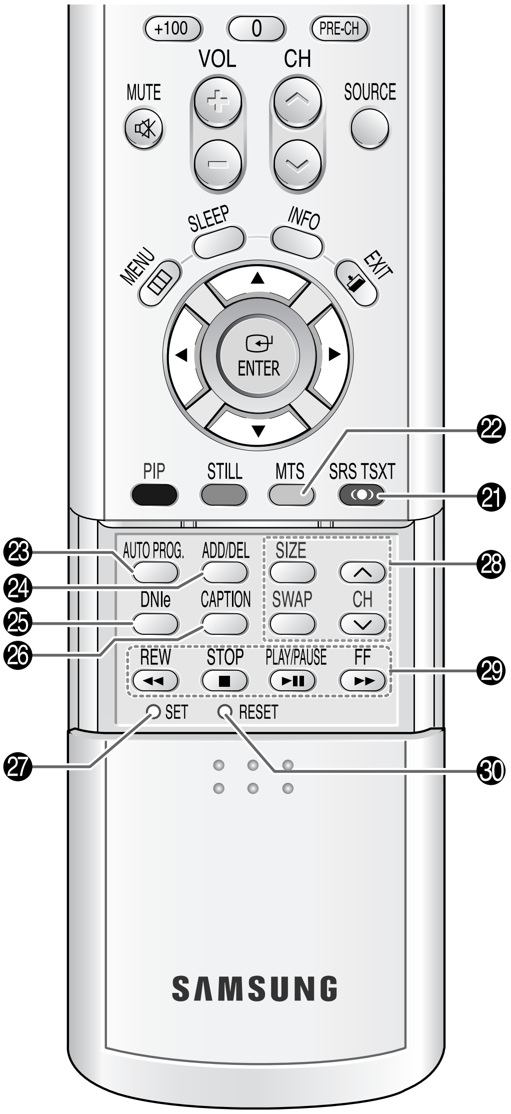
⓰ **SOURCE button**
Press to display all of the available video sources (TV, AV1, AV2, AV3, S-VIDEO1, S-VIDEO2, COMPONENT1, COMPONENT2, PC, and DVI).

⓱ **CH (Channel) buttons**
Use it to switch channels.

⓲ **INFO button**
Press to display information on the PDP screen.

⓳ **EXIT button**
Press to exit the menu.

⓴ **Up/Down Left/Right buttons**
Control the cursor in the menu.



㉑ SRS TSXT button
Selects Trusurround XT mode.

㉒ MTS button
Press to choose stereo, mono or Separate Audio Program (SAP broadcast).

㉓ AUTO PROG. button
The TV automatically cycles through all of the available channels and stores them in memory.

㉔ ADD/DEL button
Press to add or delete channels in the TV’s memory.

㉕ DNIe button
Activates DNIe (Digital Natural Image engine).

㉖ CAPTION button
Controls the caption decoder.

㉗ SET button
Used during set up of this Samsung remote control, so that it will work compatibly with other devices (VCR, Cable box, and DVD)

㉘ PIP control buttons

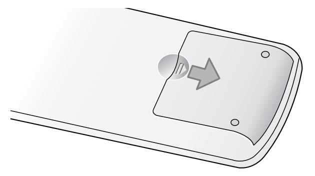
SIZE	: Press to make the PIP window Large, Small or Double.
SWAP	: Exchanges the video signal that is currently displayed on the main screen with the signal in the PIP window.
CH∧,∨	: Displays the available channels in sequence. (These buttons change channels in the PIP window only.)

㉙ VCR, DVD control buttons
Controls VCR tape or DVD disc functions: Stop, Rewind, Play/Pause, Fast Forward.

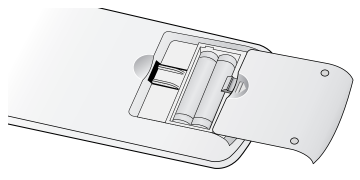
㉚ RESET button
If your remote control is not functioning properly, take out the batteries and press the reset button for about 2~3 seconds. Re-insert the batteries and try using the remote control again.

Installing the Batteries in Your Remote Control

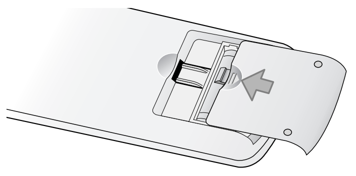
1 Slide the back cover to open the battery compartment of the remote control.



2 Install two AAA size batteries. Make sure to match the “+” and “-” ends of the batteries with the diagram inside the compartment.



3 Slide the cover back into place.

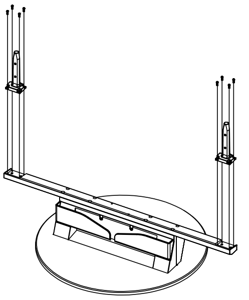


Remote Control Operation Range.

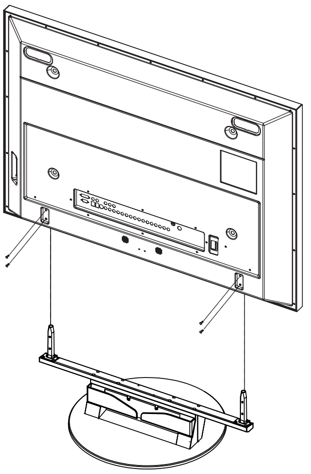
You can use your remote control within a distance of 23 feet and an angle of 30 degrees from the left and right sides of the PDP’s remote control receiver.

How to assemble the Stand-Base

1 Assemble two support pins with the stand base and firmly secure both sides of the support pins using 8 screws provided.



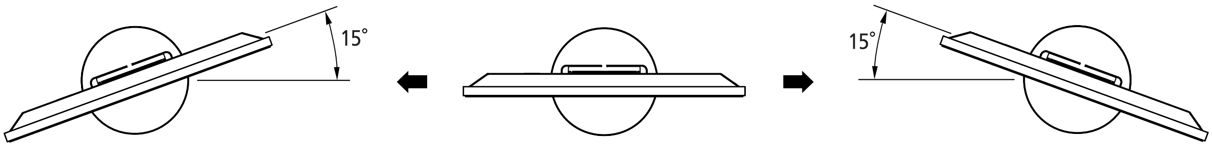
2 Assemble the PDP with the stand and firmly secure the PDP using 4 screws provided.



Warning

Firmly secure the stand for the PDP before moving it, as the stand may fall and could cause serious injury.

3 The angle of the PDP can be up to 15 degrees left/right.(depending on your model)



➤ Two or more people should carry the PDP. Never lay the PDP on the floor because of possible damage to the screen. Always store the PDP upright.

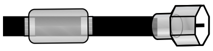
PLASMA DISPLAY PANEL

Connections

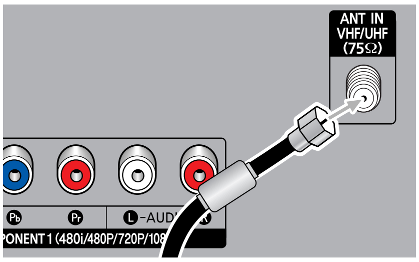
Connecting VHF and UHF Antennas 12
Connecting Cable TV..13
Connecting a VCR...15
Connecting a Camcorder 16
Connecting a DVD Player...17
Connecting a DTV Receiver 18

Connecting VHF and UHF Antennas

Antennas with 75-ohm Round Leads

If your antenna looks like this:  it has 75-ohm round leads.

1 Plug the antenna lead into the VHF/UHF terminal on the PDP.
Use the Antenna Cable, an accessory included in the product package.

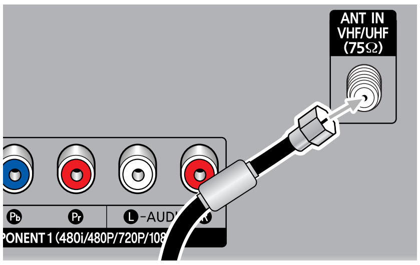

ANT IN
VHF/UHF
(75Ω)
Pb
Pr
L-AUD
ONENT 1 (480i/480P/720P/108

Connecting Cable TV

You can connect different cable systems to your PDP, including cable without a cable box, and cable with a cable box that descrambles some or all channels.

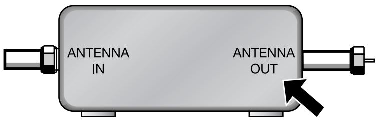
Cable without a Cable Box

1 Plug the incoming cable into the VHF/UHF terminal on the PDP.
Use the Antenna Cable, an accessory included in the product package.

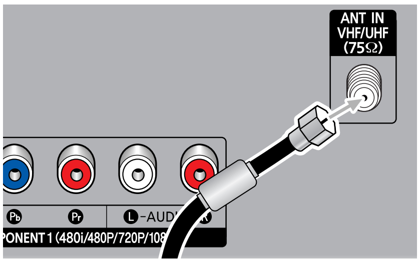

ANT IN
VHF/UHF
(75Ω)
Pb
Pr
L-AUD
ONENT 1 (480i/480P/720P/108

Cable with a Cable Box that Descrambles All Channels.

1 Find the cable connected to the ANTENNA OUT terminal on your cable box. This terminal might be labeled "ANT OUT", "VHF OUT" or simply "OUT".


ANTENNA
IN
ANTENNA
OUT

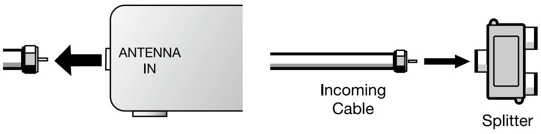
2 Connect the cable to the VHF/UHF terminal on the PDP.
Use the Antenna Cable, an accessory included in the product package.


ANT IN
VHF/UHF
(75Ω)
Pb
Pr
L-AUD
ONENT 1 (480i/480P/720P/108

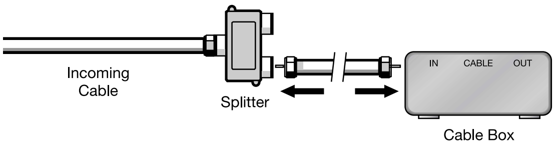
Cable with a Cable Box that Descrambles Some (But Not All) Channels

To complete this connection you will need a two-way splitter, an RF (A/B) switch, and four coaxial cables (which you can buy from your Samsung dealer or any electronics store).

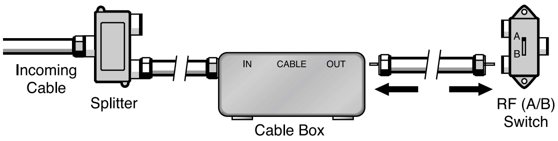
1 Find and disconnect the cable that is connected to the ANTENNA IN terminal of your cable box.
This terminal might be labeled "ANT IN", "VHF IN" or simply, "IN". Connect this cable to a two-way splitter.


ANTENNA
IN
Incoming
Cable
Splitter

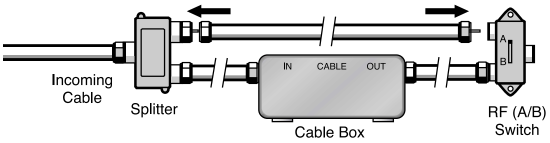
2 Connect a coaxial cable between an OUTPUT terminal of the splitter and the IN terminal of the cable box.


Incoming
Cable
Splitter
IN
CABLE
OUT
Cable Box

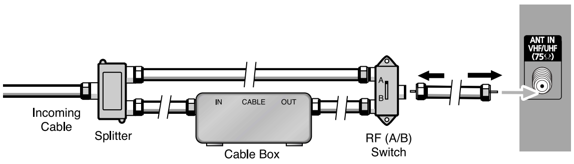
3 Connect a coaxial cable between the ANTENNA OUT terminal of the cable box and the B-IN terminal of the RF(A/B) switch.


Incoming
Cable
Splitter
IN
CABLE
OUT
Cable Box
A
B
RF (A/B)
Switch

4 Connect a coaxial cable between the other OUT terminal of the cable box and the A-IN terminal of the RF(A/B) switch.


Incoming
Cable
Splitter
IN
CABLE
OUT
Cable Box
A
B
RF (A/B)
Switch

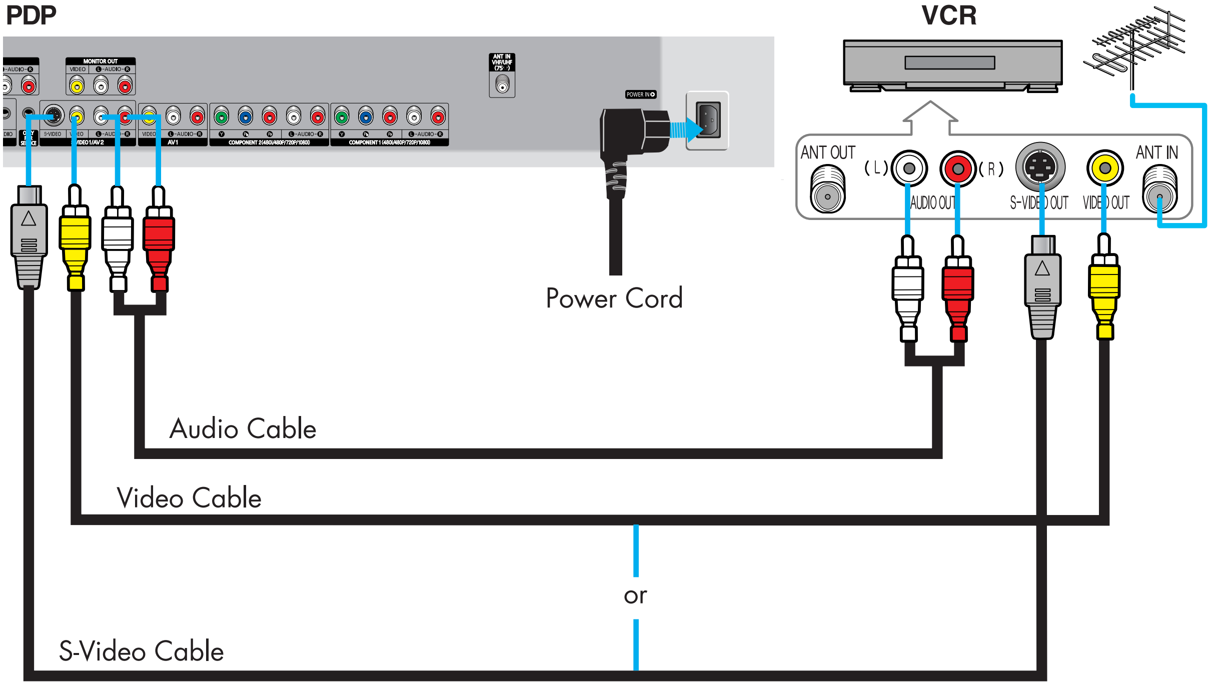
5 Connect the last coaxial cable between the OUT terminal of the RF (A/B) switch and the VHF/UHF terminal on the PDP.


Incoming
Cable
Splitter
IN
CABLE
OUT
Cable Box
A
B
RF (A/B)
Switch
ANT IN
VHF/UHF
(75Ω)

After you've made this connection, set the A/B switch to the "A" position for normal viewing.
Set the A/B switch to the "B" position to view scrambled channels. (When you set the A/B switch to "B", you will need to tune your Set-Top Box to the cable box's output channel, which is usually channel 3 or 4.)

Connecting a VCR

Connecting a VCR to the Video or S-Video/Audio jack


PDP
VCR
ANT OUT
(L)
(R)
AUDIO OUT
S-VIDEO OUT
VIDEO OUT
ANT IN
Power Cord
Audio Cable
Video Cable
or
S-Video Cable

How to Connect

Connect the Video/Audio cables between the VIDEO or S-VIDEO / L - AUDIO - R jacks on the PDP and VIDEO or S-VIDEO / L - AUDIO - R output jacks on the VCR. (Note: For better video, you can use an S-Video cable.)

Note

- Please be sure to match the color coded input terminals and cable jacks.

Videotape Playback:

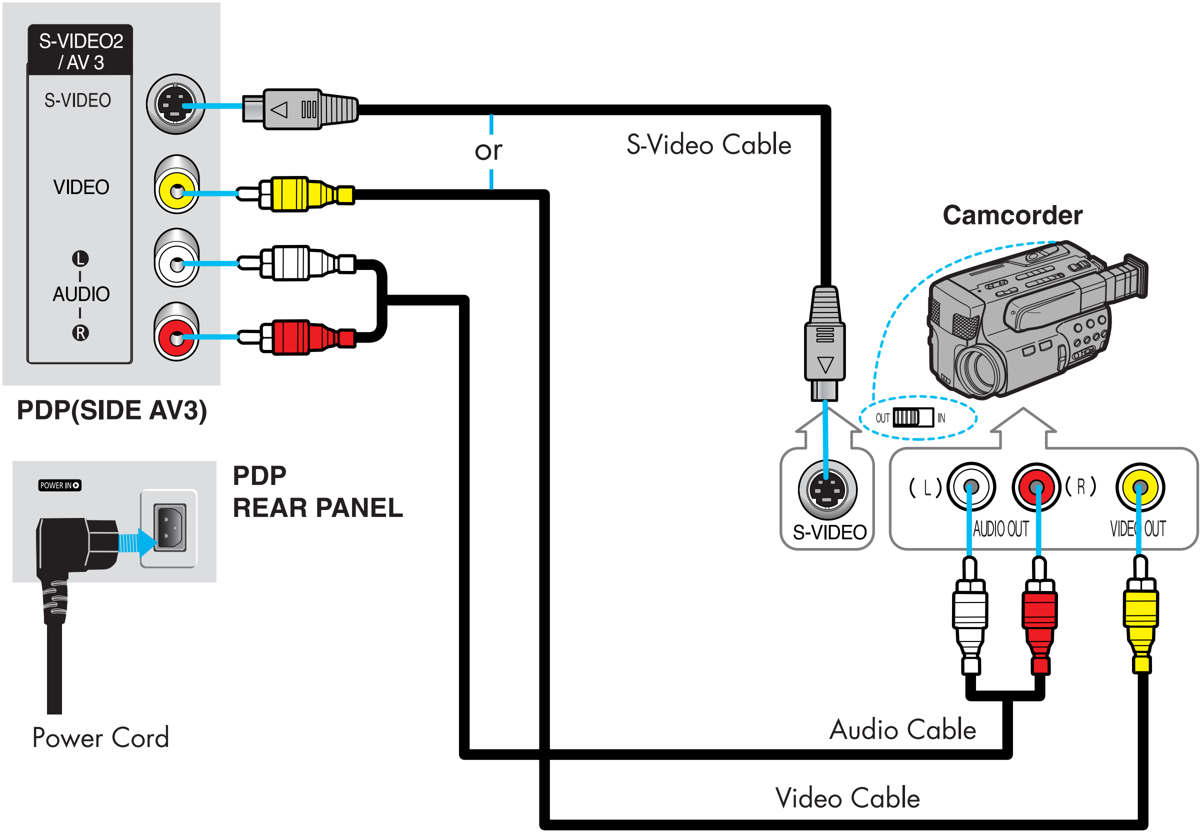
1. Turn on your PDP.

2. Press the SOURCE button to select “Video(AV1, AV2 or AV3)” or “S-Video(S-VIDEO1 or S-VIDEO2)”.

3. Turn on your VCR, insert a videotape and press the play button.

Connecting a Camcorder

Viewing camcorder tapes


S-VIDEO2
/ AV 3
S-VIDEO
VIDEO
L
AUDIO
R
PDP(SIDE AV3)
POWER IN
PDP
REAR PANEL
Power Cord
or
S-Video Cable
Camcorder
OUT
IN
S-VIDEO
(L)
(R)
AUDIO OUT
VIDEO OUT
Audio Cable
Video Cable

How to Connect

Connect a Video/Audio cable between the VIDEO or S-VIDEO / L - AUDIO - R jacks on the PDP and the VIDEO or S-VIDEO /AUDIO output jacks on the camcorder. (Note: For better video, you can use an S-VIDEO cable.)

Note
- Please be sure to match the color coded input terminals and cable jacks.

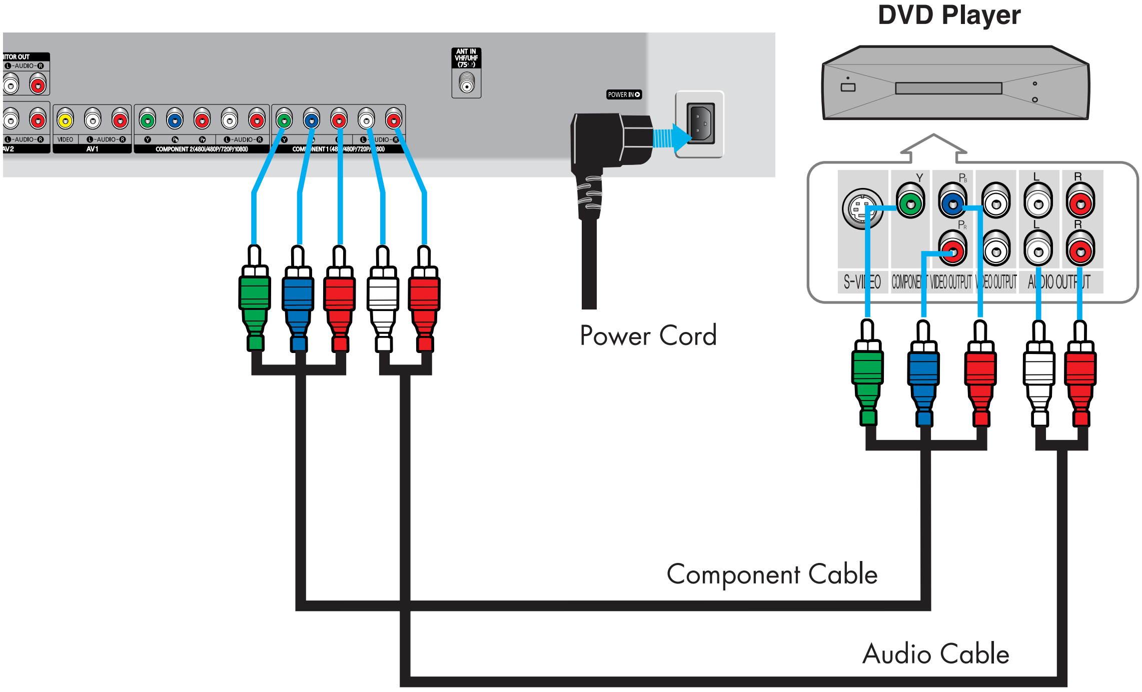
Viewing Tapes

1. Turn on your PDP.
2. Press the SOURCE button to select "Video(AV1, AV2 or AV3)" or "S-VIDEO(S-VIDEO1 or S-VIDEO2)".
3. Turn on your camcorder and set it to Video Mode. (For details, refer to your camcorder Owner's instructions.)
4. Set the IN/OUT switch on your camcorder to OUT.
5. Insert the tape into the camcorder and press the Play button.

Connecting a DVD Player (480i, 480p)

This PDP displays the optimum picture in 720p mode.

Playing DVD


DVD Player
POWER IN
ANT IN VHF/UHF (75Ω)
AV 1
COMPONENT 2(480i/480P/720P/1080i)
S-VIDEO
Y
PB
PR
L
R
Power Cord
Component Cable
Audio Cable

How to Connect

1 Connect a Video Cable between the Y, P_b, P_r (COMPONENT1, 2) input jacks on the PDP and Y, P_b, P_r output jacks on the DVD player.

2 Connect a Audio Cable between the AUDIO L/R(COMPONENT1, 2) input jacks on the PDP and the AUDIO output jacks on the DVD player.

Note

- Please be sure to match the color coded input terminals and cable jacks.

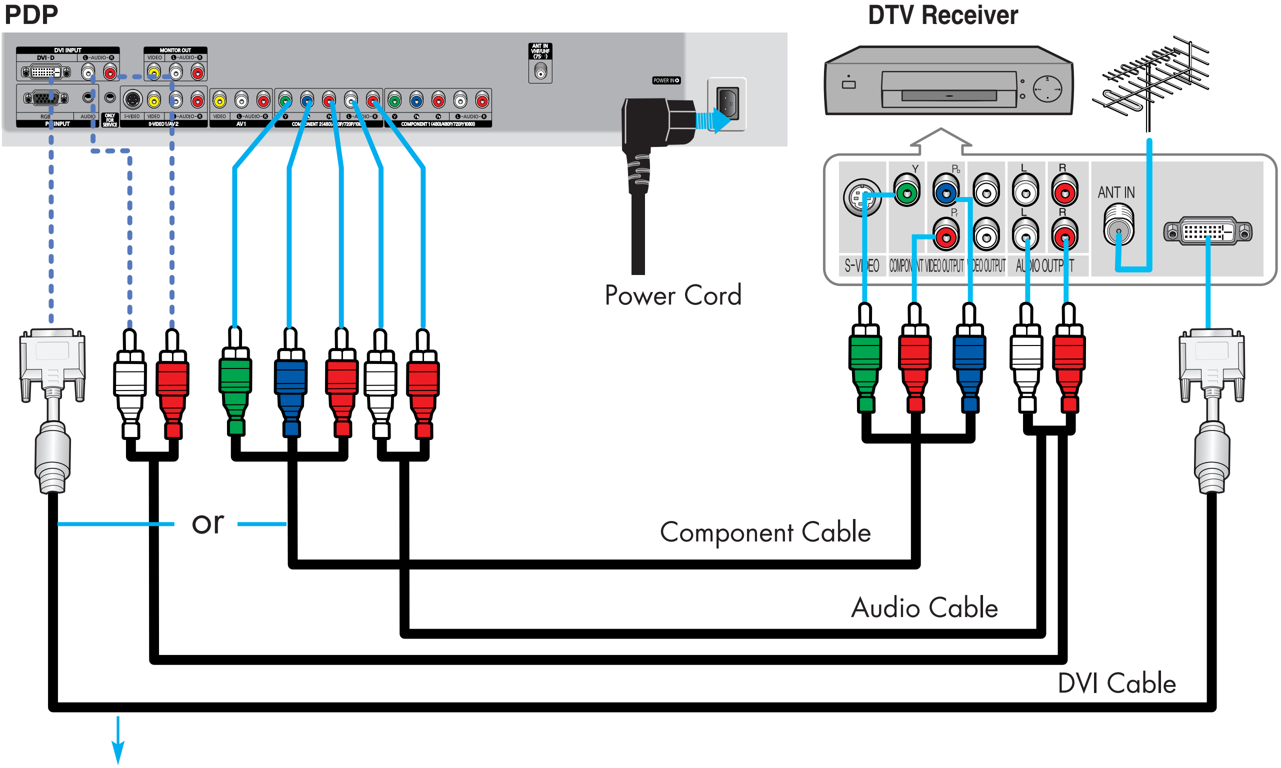
To Play DVD:

1. Turn on your PDP.
2. Press the SOURCE button to select “COMPONENT1” or “COMPONENT2”.
3. Turn on your DVD player, insert a DVD disc and press the Play button.
   - For an explanation of Component video, see your DVD owner’s instructions.

Connecting a DTV Receiver
(480p, 720p, 1080i)

This PDP displays the optimum picture in 720p mode.

Watching DTV


PDP
DTV Receiver
ANT IN
S-VIDEO
COMPONENT VIDEO OUTPUT
VIDEO OUTPUT
AUDIO OUTPUT
Power Cord
or
Component Cable
Audio Cable
DVI Cable

Use a DVI-D connection cable. (sold separately)

How to Connect

1 Connect the cable or antenna to the antenna input jack on the DTV.

2 Connect the Y, Pb, Pr (COMPONENT) input jacks on the PDP with Y, Pb, Pr output jacks on the DTV receiver using a component cable.

3 Connect the AUDIO L/R(COMPONENT) input jacks on the PDP with the AUDIO output jacks on the DTV receiver using a audio cable.

Note
- Please be sure to match the color coded input terminals and cable jacks.

To Watch DTV:

1. Turn on your PDP.
2. Press the SOURCE button to select “COMPONENT1”, “COMPONENT2” or “DVI”.
3. Turn on your DTV receiver.
   - For an explanation of Component video, see your DTV receiver owner’s instructions.

PLASMA DISPLAY PANEL

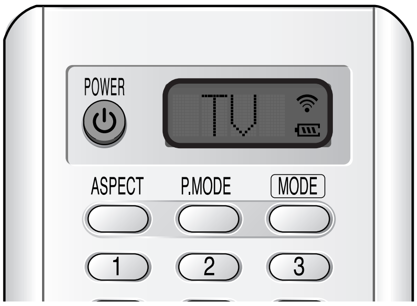
Operation

Turning the PDP On and Off 20
Plug & Play Feature 22
Memorizing the Channels...25
Setting Up Your Remote Control 30
Viewing an External Signal Source 32

Turning the PDP On and Off

Turning the PDP On and Off

Press the POWER button on the remote control.
The PDP will be turned on and you will be ready to use its features.
You can also use the POWER button on the front of the PDP.



Note

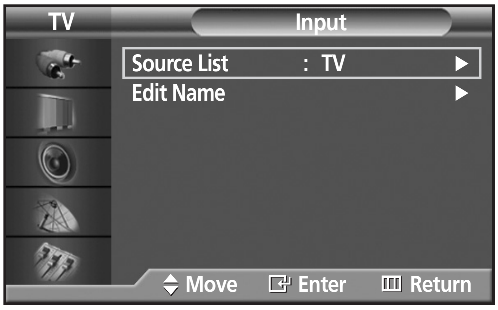
- If your PDP isn't turned on when the power button is pressed: Press the MODE button to check if the TV mode has been chosen (TV).

Viewing the Menus and Displays

Your PDP has a simple, easy-to-use menu system that appears on the PDP screen. This system makes it convenient and fast to use features on the PDP. Your PDP also lets you display the status of many of your PDP's features.

Viewing the Menus

1 With the power on, press the MENU button on the remote control. The main menu appears on the screen. The Input menu is selected.

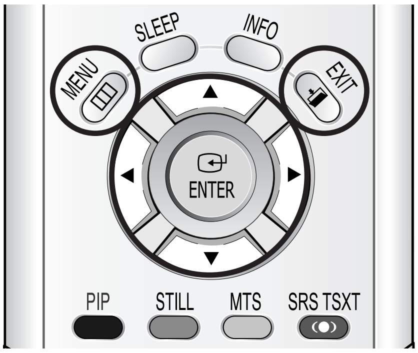


Source List : TV ▶
Edit Name ▶

2 Press the ▲ or ▼ button to move to items in the menu. Press the ◄/►/ENTER buttons to display, change, or use the selected items.

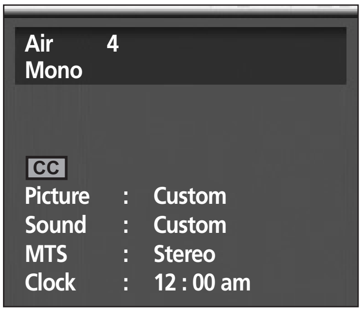
Press the ENTER button to enter items in the menu.

On screen menus disappear from the screen automatically after about thirty seconds, or you can press the MENU or EXIT button on your remote control to exit the menu.



Displaying Status Information

Press the INFO button on the remote control.
The PDP will display the Picture mode, Sound mode, MTS, Caption, and Clock.



Air 4
Mono

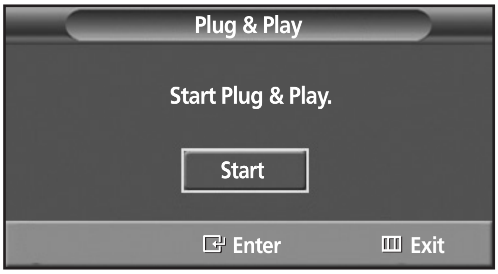
Picture : Custom
Sound : Custom
MTS : Stereo
Clock : 12 : 00 am

Plug & Play Feature

When the television is initially powered ON, several basic customer settings proceed automatically and subsequently. The following settings are available.

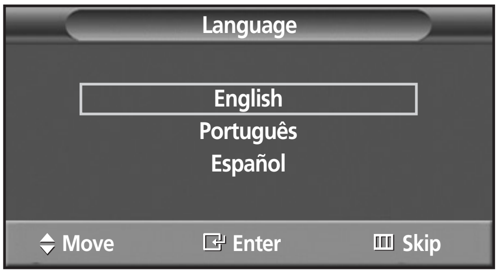
1 If the television is in Standby mode, press the POWER button on the remote control.

➤ The message "Start Plug & Play." is displayed and then the Language menu is automatically displayed.


Plug & Play
Start
Enter
Exit

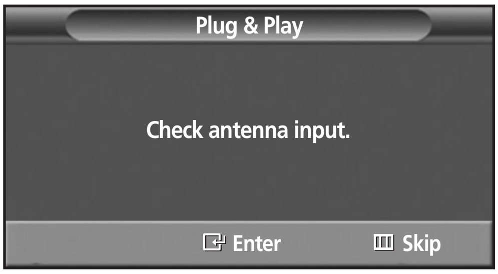
Start Plug & Play.

2 Select the appropriate language by pressing the ▲ or ▼ button.


Language
English
Português
Español
Move
Enter
Skip

3 Press the ENTER button to confirm your choice.

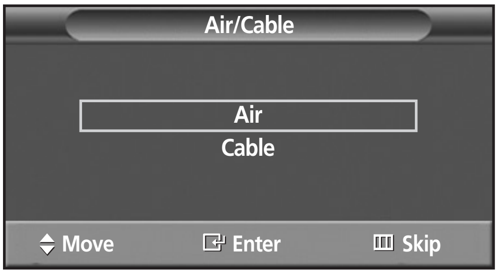
➤ The message "Check antenna input." is displayed.


Plug & Play
Enter
Skip

Check antenna input.

4 Press the ENTER button.

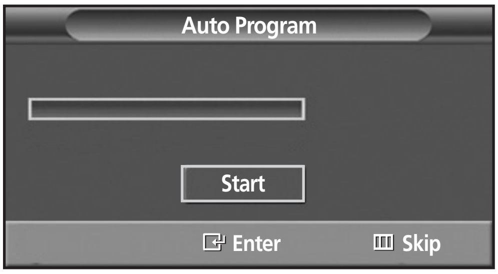
5 Select the correct signal source (Air and Cable) by pressing the ▲ or ▼ button, then press the ENTER button.

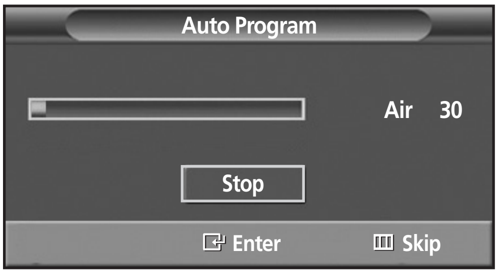

Air/Cable
Air
Cable
Move
Enter
Skip

6 To start the search, press the ENTER button.

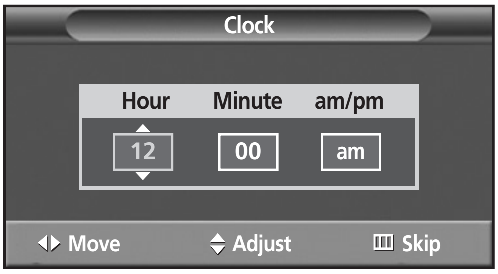
➤ The search will end automatically. Channels are sorted and stored in an order which reflects their position in the frequency range (with lowest first and highest last).
When it has finished, the Clock Set menu is displayed.

➤ To stop the search before it has finished or return to normal viewing, press the MENU button.

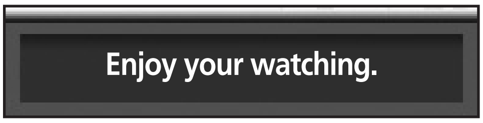

Auto Program
Start
Enter
Skip


Auto Program
Air 30
Stop
Enter
Skip

7 Press the ENTER button.
Press the ◀ or ▶ button to move to the Hour, Minute, or am/pm.
Set the Hour, Minute, or am/pm by pressing the ▲ or ▼ button.
Press the ENTER button.


Clock
Hour
Minute
am/pm
12
00
am
Move
Adjust
Skip

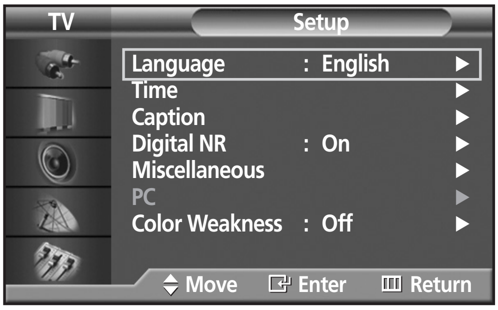
8 When it has finished, the message “Enjoy your watching.” is displayed, and the channels which have been stored can be viewed.


Enjoy your watching.

Plug & Play Feature (continued)

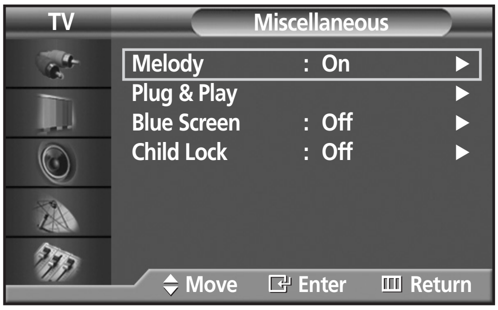
If you want to reset this feature...

1 Press the MENU button. Press the ▲ or ▼ button to select “Setup”, then press the ENTER button.


TV
Setup
Move
Enter
Return

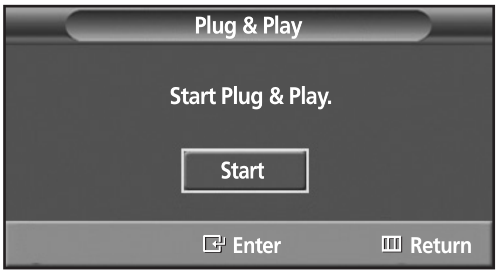
Language : English
Time
Caption
Digital NR : On
Miscellaneous
PC
Color Weakness : Off

2 Press the ▲ or ▼ button to select “Miscellaneous”, then press the ENTER button.


TV
Miscellaneous
Move
Enter
Return

Melody : On
Plug & Play
Blue Screen : Off
Child Lock : Off

3 Press the ▲ or ▼ button to select “Plug & Play”. Press the ENTER button.


Plug & Play
Start
Enter
Return

Start Plug & Play.

4 For further details on how to set, refer to the previous page.

Note

- Plug and Play can only be accessed in the TV mode.

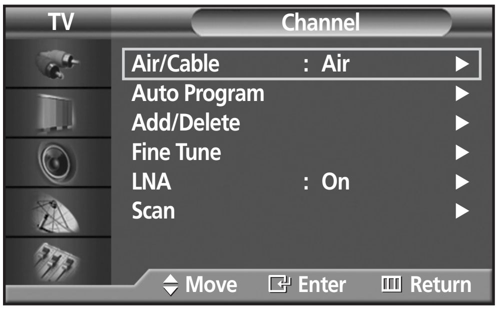
Memorizing the Channels

Your PDP can memorize and store all of the available channels for both “off-air” (antenna) and cable channels. After the available channels are memorized, use the CH ︿ and CH ﹀ buttons to scan through the channels. This eliminates the need to change channels by entering the channel digits. There are three steps for memorizing channels: selecting a broadcast source, memorizing the channels (automatic) and adding and deleting channels (manual).

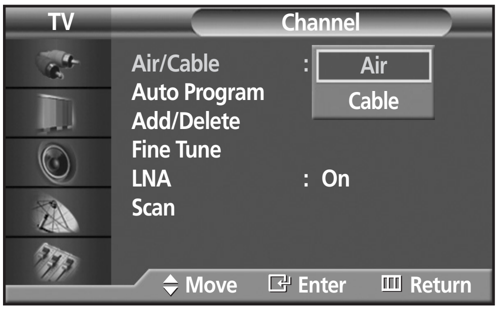
Selecting the Video Signal-source

Before your television can begin memorizing the available channels, you must specify the type of signal source that is connected to the PDP (i.e., an antenna or a cable system).

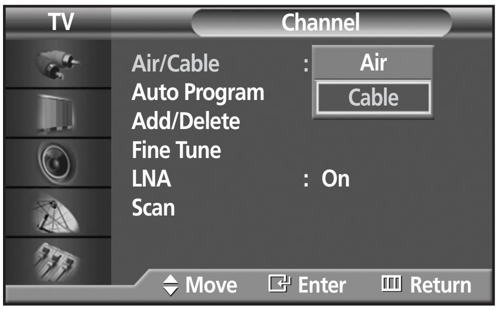
1 Press the MENU button. Press the ▲ or ▼ button to select “Channel”, then press the ENTER button.


TV
Channel
Air/Cable : Air ▶
Auto Program ▶
Add/Delete ▶
Fine Tune ▶
LNA : On ▶
Scan ▶
Move
Enter
Return

2 Press the ENTER button to select “Air/Cable”.


TV
Channel
Air/Cable :
Air
Cable
Auto Program
Add/Delete
Fine Tune
LNA : On
Scan
Move
Enter
Return

3 Press the ▲ or ▼ button to select “Air” or “Cable”, then press the ENTER button.
- If you are connected to an antenna, leave “Air” displayed. If you connected cable, press the ▲ or ▼ button to the display the type of cable system: “Cable”. (If you are not sure which type of cable system you have, contact your cable company).


TV
Channel
Air/Cable :
Air
Cable
Auto Program
Add/Delete
Fine Tune
LNA : On
Scan
Move
Enter
Return

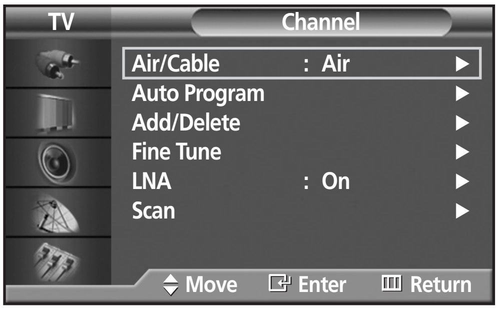
4 Press the MENU button to exit.

Note

- Contact your local cable company to identify the type of cable system that exists in your particular area. At this point the signal source has been selected. Proceed to “Storing Channels in Memory” (Next page).

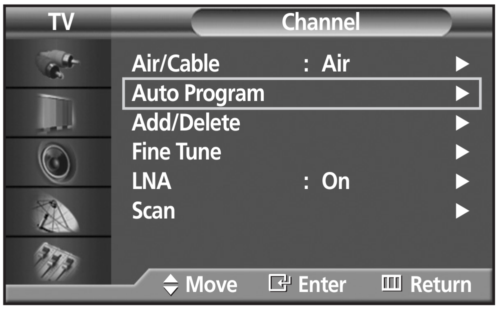
Storing Channels in Memory (Automatic Method)

1 First, select the correct signal source (Air and Cable). See steps on previous page.
Press the MENU button. Press the ▲ or ▼ button to select "Channel", then press the ENTER button.

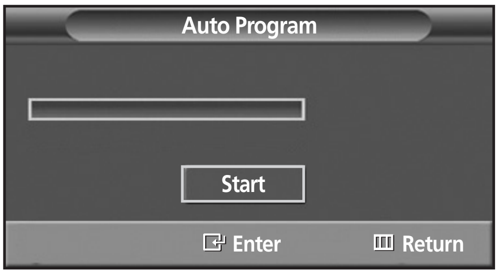

TV
Channel
Air/Cable : Air ▶
Auto Program ▶
Add/Delete ▶
Fine Tune ▶
LNA : On ▶
Scan ▶
Move
Enter
Return

2 Press the ▲ or ▼ button to select "Auto Program", then press the ENTER button.

➤ Quick way to access the Automatic Channel Setting: Just press the "AUTO PROG." button on the remote control.


TV
Channel
Air/Cable : Air ▶
Auto Program ▶
Add/Delete ▶
Fine Tune ▶
LNA : On ▶
Scan ▶
Move
Enter
Return

3 Press the ENTER button.
The PDP will begin memorizing all of the available channels.
After all the available channels are stored, the Auto program menu reappears.
Press the ENTER button to stop.


Auto Program
Start
Enter
Return

4 Press the MENU button to exit.

Note

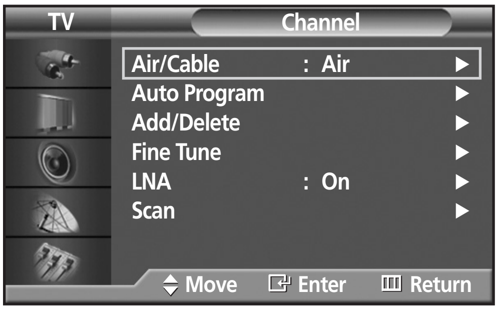
- The PDP automatically cycles through all of the available channels and stores them in memory. This takes about one to two minutes.

Adding and Erasing Channels (Manual Method)

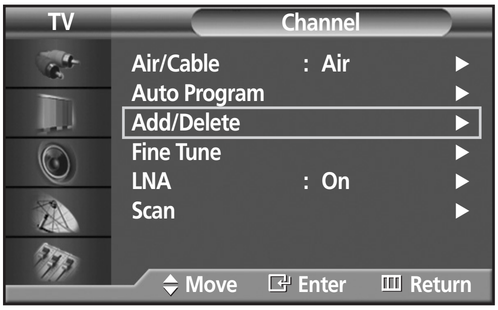
First, press the CH ︿ or CH ﹀ button or the number buttons to select the channel you want to add or delete.

1 Press the MENU button. Press the ▲ or ▼ button to select “Channel”, then press the ENTER button.

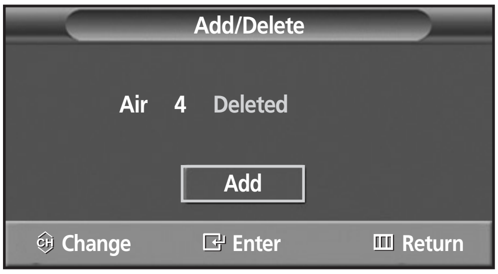
➤ Quick way to access the Adding and Erasing Channels : Just press the “ADD/DEL” button on the remote control.


TV
Channel
Air/Cable : Air ▶
Auto Program ▶
Add/Delete ▶
Fine Tune ▶
LNA : On ▶
Scan ▶
Move
Enter
Return

2 Press the ▲ or ▼ button to select “Add/Delete”, then press the ENTER button. Repeatedly pressing ENTER button will alternate between “Add” and “Delete”. Press the CH ︿ or CH ﹀ button to change channels you want to add or delete.


TV
Channel
Air/Cable : Air ▶
Auto Program ▶
Add/Delete ▶
Fine Tune ▶
LNA : On ▶
Scan ▶
Move
Enter
Return

3 Press the MENU button to exit.


Add/Delete
Add
Change
Enter
Return

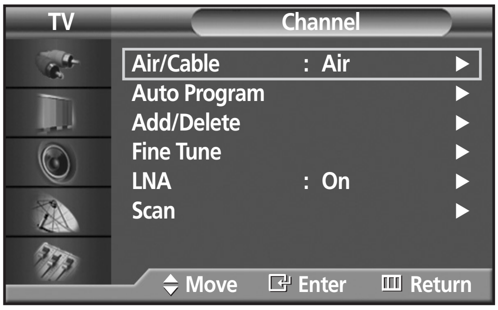
Air 4 Deleted

Note

- You can view any channel (including an erased channel) by using the number buttons on the remote control.

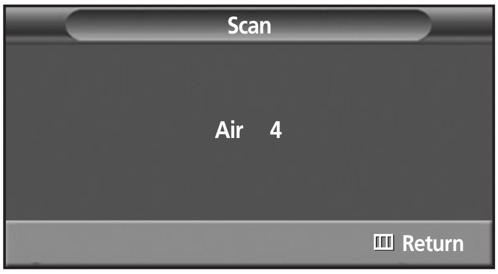
To View Memorized Channel (PIP Mode)

1 Press the MENU button. Press the ▲ or ▼ button to select “Channel”, then press the ENTER button.


TV
Channel
Air/Cable : Air ▶
Auto Program ▶
Add/Delete ▶
Fine Tune ▶
LNA : On ▶
Scan ▶

2 Press the ▲ or ▼ button to select “Scan”, then press the ENTER button.
Only the memorized channels are chosen.

➤ When Channel scan starts, PIP mode will be activated automatically. The screen will remain in PIP mode when the Scan has finished. Press the PIP button to exit PIP mode.


Scan
Air 4

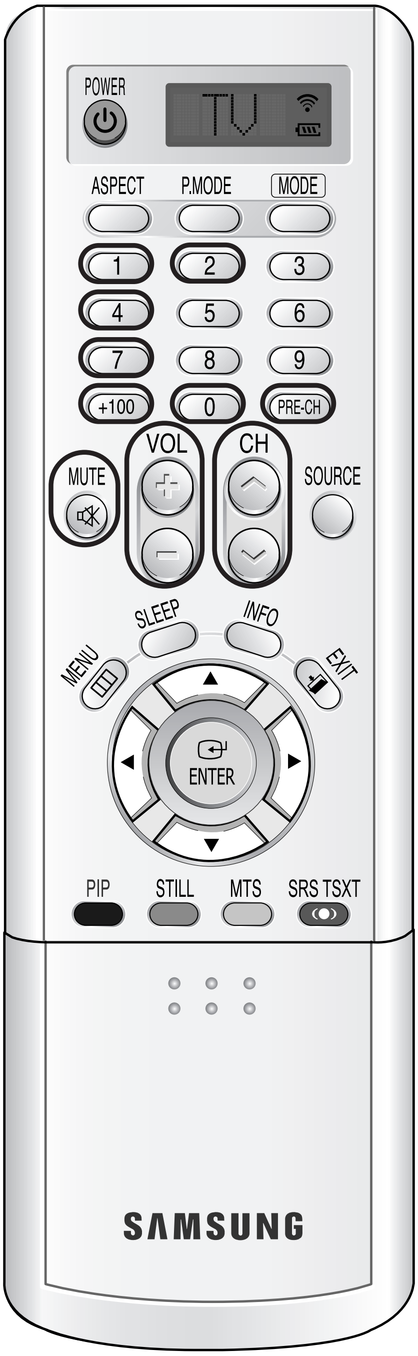
3 Press the MENU button to stop.

Changing Channels

Using the Channel Buttons

Press the CH∧ or CH∨ button to change channels.

When you press the CH∧ or CH∨ button, the PDP changes channels in sequence. You will see all the channels that the PDP has memorized. (The PDP must have memorized at least three channels.)
You will not see channels that were either erased or not memorized.



Directly Accessing Channels

Press the number buttons to go directly to a channel. For example, to select channel 27, press “2” then “7”. The TV will change channels when you press the second number.

When you use the number buttons, you can directly select channels that were either erased or not memorized. To select a channel over 100, press the +100 button. (For channel “112”, press the +100 button, then “1”, then “2”.
To change to single-digit channels (0~9) faster, press “0” before the single digit. (For channel “4” press “0”, then “4”).

Using the PRE-CH button to select the previous channel

Press the PRE-CH button. The TV will switch to the last channel viewed.

To quickly switch between two channels that are far apart, tune to one channel, then use the number button to select the second channel. Then, use the PRE-CH button to quickly alternate between them.

Adjusting the Volume

Using the Volume Buttons

Press the VOL + or VOL – button to increase or decrease the volume.

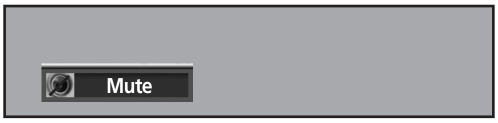
Using Mute

Using the MUTE Button

At any time, you can temporarily cut off the sound using the MUTE button.

1 Press the MUTE button and the sound cuts off. The word “Mute” will appear in the lower-left corner of the screen.

2 To turn mute off, press the MUTE button again, or simply press the VOL + or VOL – button.



Setting Up Your Remote Control

This PDP's remote control can operate almost any VCR, cable box or DVD. After it has been set up properly, your remote control can operate in five different modes :TV , VCR, Cable, DVD, or STB. Pressing the corresponding button on the remote control allows you to switch between these modes, and control whichever piece of equipment you choose.

Notes :
- *The remote control may not be compatible with all DVD Players, VCRs, Cable boxes.*
- *The remote control can only operate STB made by Samsung.*

Setting Up the Remote to Operate Your VCR, Cable box or DVD player

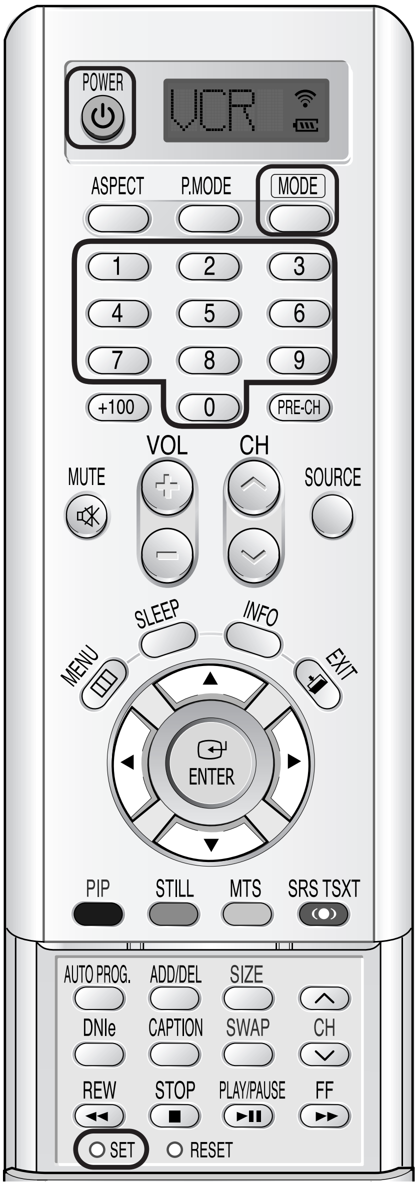
1 Turn off your VCR. (or Cable box, DVD player)

2 Press the MODE button. Mode is changed whenever MODE button is pressed.

3 Press the SET button on your TV's remote control.

4 Using the number buttons on your remote control, enter three digits of the VCR (or Cable box, DVD player) code listed on page 31 of this manual for your brand of VCR (or CATV, DVD). Make sure you enter three digits of the code, even if the first digit is a "0".
(If more than one code is listed, try the first one.)

5 Press the POWER button on the remote control. Your VCR (or CATV, DVD) should turn on if your remote is set up correctly. If your VCR (or CATV, DVD) does not turn on after setup, repeat steps 2, 3, and 4, but try one of the other codes listed for your brand of VCR (or CATV, DVD).
If no other codes are listed, try each code, 000 through 089 (or Cable box: 000 through 077, DVD player: 000 through 008).


POWER
VCR
ASPECT
P.MODE
MODE
1
2
3
4
5
6
7
8
9
+100
0
PRE-CH
VOL
CH
MUTE
SOURCE
SLEEP
INFO
MENU
EXIT
ENTER
PIP
STILL
MTS
SRS TSXT
AUTO PROG.
ADD/DEL
SIZE
DNIe
CAPTION
SWAP
CH
REW
STOP
PLAY/PAUSE
FF
SET
RESET

Notes

- When your remote control is in “VCR” mode, the VCR control buttons (STOP, REW, PLAY/PAUSE, FF) still operate your VCR.
- When your remote control is in “CATV” or “DVD” mode, the VCR control buttons (STOP, REW, PLAY/PAUSE, FF) still operate your VCR.
- You do not need to program the remote for Samsung STBs as the codes are pre-programmed.

Remote Control Codes

VCR Codes

Brand	Codes
Admiral	020
Aiwa	025
Akai	027 004 032
Audio Dynamics	007 026
Bell&Howell	018
Broksonic	022
Candle	002 006 003 015 008 055
Canon	021 056
Citizen	002 003 006 008 015 055
Colortyme	007
Craig	002 024
Curtis Mathes	002 017 007 008 021 025 056 064 066
Daewoo	003 015 010 011 012 013 014 016
DBX	007 026
Dimensia	017
Dynatech	034
Emerson	001 003 006 021 022 025 030 032 034 040 047 050 052 060 063 065 066 067 069
Fisher	018 024 028 029 048 051 061
Funai	025
General Electric	017 002 021 005 056
Go Video	002
LG(Goldstar)	006 007 008 009 010
Harman Kardon	007
Hitachi	019 025 041 042
InstantReplay	021
JC Penny	002 007 018 019 021 026 037 041 054 056
JVC	007 008 018 021 026 037
Kenwood	007 008 018 026 037
KLH	070
Lioyd	025
Logik	038
LXI	025
Magnavox	021 036 056 059
Marantz	008 007 018 021 026 036 037 062
Marta	006
MEI	021
Memorex	006 021 024 025
MGA	034
Midland	005
Minolta	019 041
Mitsubishi	019 034 041 046
Montgomery Ward	020
MTC	002 025
Multitech	002 025 038 005
NEC	018 007 026 037 008 062 064
Optimus	020
Panasonic	021 056 071 072
Pentax	019 041
Pentex Research	008
Philco	021 036 056 059
Philips	021 036
Pioneer	019 026 039 053
Portland	015 049 055
PROSCAN	017
Quartz	018
Quasar	021 056
Radio Shack/Realistic	006 018 020 021 024 025 029 034 048 056
RCA	017 019 002 021 035 041 043 057 068
Samsung	000 001 002 003 004 005
Sansui	026
Sanyo	018 024
Scott	003 047 052 067
Sears	018 019 006 024 028 029 041 048 051
Sharp	020 034 045 015
Shimom	027 033 038 058
Signature	025
Sony	027 033 044
Sylvania	021 025 036 056 059
Symphonic	025
Tandy	018 025
Tashika	006
Tatung	037
Teac	025 037 068
Technics	021
Teknika	021 006 025 031
TMK	066
Toshiba	003 019 029 051 052
Totevision	002 006
Unitech	002
VectorResearch	007 026
Victor	026
Video Concepts	007 026
Videosonic	002
Wards	002 003 006 019 020 021 024 025 034 038 041
Yamaha	007 008 018 026 037
Zenith	023 027 033 073

Cable Box Codes

Brand	Codes
Anvision	017 018
GI	041
Hamlin	003 024 031
Hitachi	025 030
Jerrold	038 039
Macom	025 030
Magnavox	019 023 028
Oak	026
Panasonic	003 022 027 037 044
Philips	019 021 023 028
Pioneer	018 020 004 044
RCA	014 022 040
Regal	003
Regency	015 023
SA	042 043
Samsung	000 001 002 003 004 005 006 007
Scientific Atlanta	042 043
Sprucer	022
Stargate 2000	036
Sylvania	016
Texscan	016
Tocom	032
Universal	033 034
Viewstar	019 021 023 028
Wamer amex	046
Zenith	017 029 035 037 045

DVD Codes

Brand	Codes
Samsung	000 001
JVC	002
PROSCAN	003
RCA	003
LG(Goldstar)	006
Sony	007
Denon	008
Curtis Mathes	009

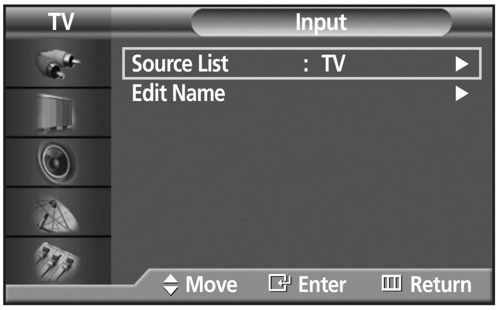
Viewing an External Signal Source

Use the remote control to switch between viewing signals from connected equipment, such as VCRs, DVD, Set-Top box and the TV source (broadcast or cable).

Setting the Signal Source

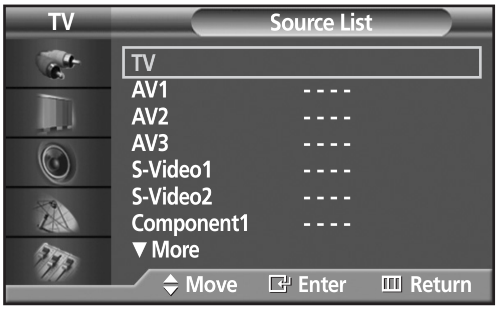
1 Press the MENU button. Press the ENTER button to select “Input”.

➤ Quick way to access viewing an external signal source :
Just press the “SOURCE” button on the remote control.



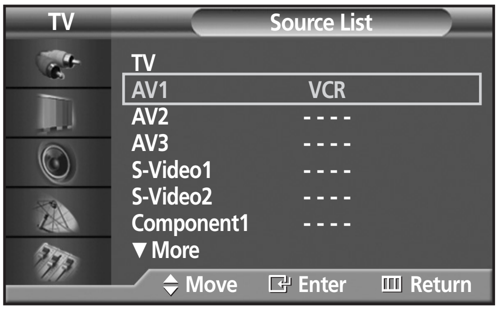
Source List : TV ▶
Edit Name ▶

2 Press the ENTER button to select “Source List”.



TV
AV1 - - - -
AV2 - - - -
AV3 - - - -
S-Video1 - - - -
S-Video2 - - - -
Component1 - - - -
▼More

3 Press the ▲ or ▼ button to select signal source, then press the ENTER button.



TV
AV1 VCR
AV2 - - - -
AV3 - - - -
S-Video1 - - - -
S-Video2 - - - -
Component1 - - - -
▼More

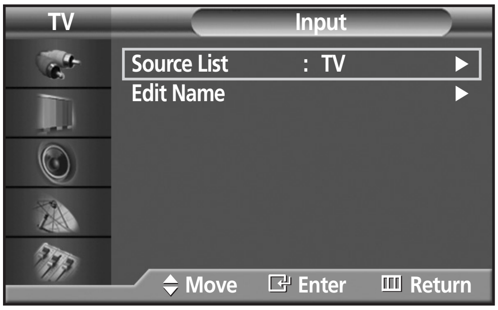
4 Press the MENU button to exit.

Note

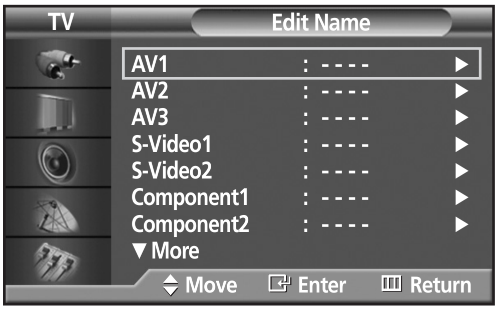
- When you connect equipment to the PDP, you can choose between the following sets of jacks: AV1, AV2, AV3, S-Video1, S-Video2, Component1, Component2, Monitor Out, PC, or DVI on the PDP’s rear panel.

Assigning Names to External input mode

1 Press the MENU button. Press the ENTER button to select “Input”.

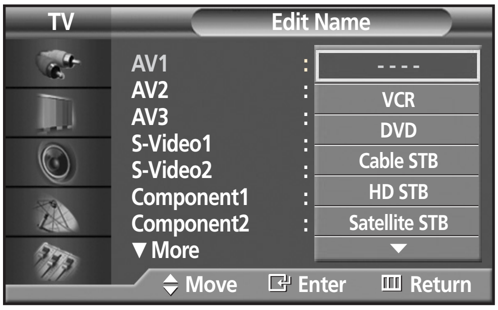

TV
Input
Source List : TV ▶
Edit Name ▶
Move
Enter
Return

2 Press the ▲ or ▼ button to select “Edit Name”, then press the ENTER button.


TV
Edit Name
AV1 : - - - - ▶
AV2 : - - - - ▶
AV3 : - - - - ▶
S-Video1 : - - - - ▶
S-Video2 : - - - - ▶
Component1 : - - - - ▶
Component2 : - - - - ▶
▼ More
Move
Enter
Return

3 Press the ENTER button.
Press the ▲ or ▼ button to select external device, then press the ENTER button.

- You can select the VCR, DVD, Cable STB, HD STB, Satellite STB, AV Receiver, DVD Receiver, Game, Camcorder, DVD Combo, DHR or PC.
- Set other signal sources (AV2, AV3, S-Video1, S-Video2, Component1, Component2, PC, or DVI) using the same method as listed above.


TV
Edit Name
AV1 :
AV2 :
AV3 :
S-Video1 :
S-Video2 :
Component1 :
Component2 :
▼ More
- - - -
VCR
DVD
Cable STB
HD STB
Satellite STB
Move
Enter
Return

4 Press the MENU button to exit.

Note

- DHR : DVD HDD Recorder.

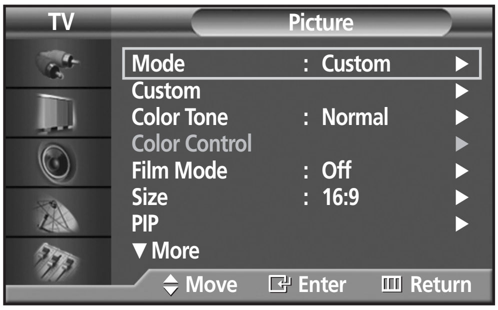
Picture Control

Customizing the Picture 36
Using Automatic Picture Settings 37
Selecting the Color Tone....38
DNIe (Digital Natural Image engine) 39
Changing the Screen Size 40
Freezing the Picture 42
Viewing the Picture-in-Picture....43
Selecting a Signal Source (Antenna or Cable) for PIP....48
Setting the My Color Control Mode 50

Customizing the Picture

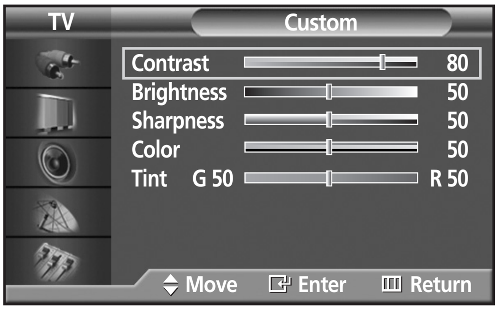
You can use the on-screen menus to change the Contrast, Brightness, Sharpness, Color, and Tint settings of your PDP.

1 Press the MENU button. Press the ▲ or ▼ button to select “Picture”, then press the ENTER button.



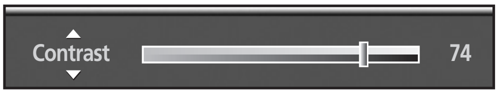
Mode : Custom ▶
Custom ▶
Color Tone : Normal ▶
Color Control ▶
Film Mode : Off ▶
Size : 16:9 ▶
PIP ▶

2 Press the ▲ or ▼ button to select “Custom”, then press the ENTER button.
You will also see the items “Contrast”, “Brightness”, “Sharpness”, “Color”, and “Tint”.



Contrast 80
Brightness 50
Sharpness 50
Color 50
Tint G 50 R 50

3 Press the ▲ or ▼ button to select the item you wish to change, then press the ENTER button.
Press the ◀ or ▶ button to change the value of the item.



Contrast 74

4 Press the MENU button to exit.

Notes

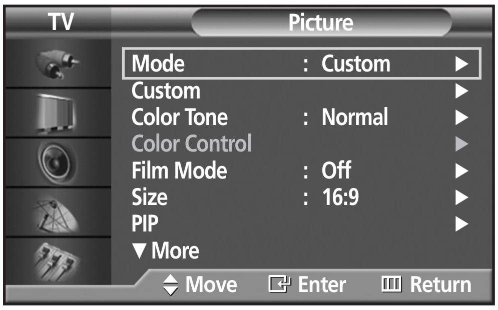
- In the PC/DVI mode, you can’t adjust the Color and Tint.
- If you make any changes to these settings, the picture standard is automatically switched to the custom.

Using Automatic Picture Settings

Your PDP has automatic picture settings that allow you to adjust the video display easily.

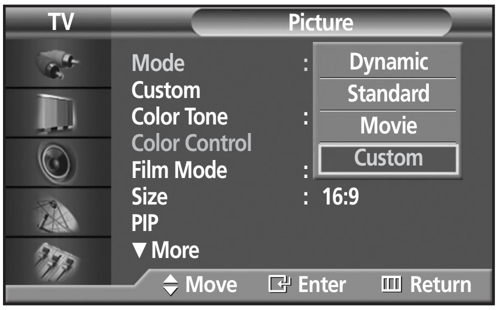
1 Press the MENU button. Press the ▲ or ▼ button to select “Picture”, then press the ENTER button.

➤ Quick way to access the picture setting: Just press the “P.MODE” button on the remote control.


TV
Picture
Custom
Color Control
PIP
▼More
Move
Enter
Return

Mode : Custom
Color Tone : Normal
Film Mode : Off
Size : 16:9

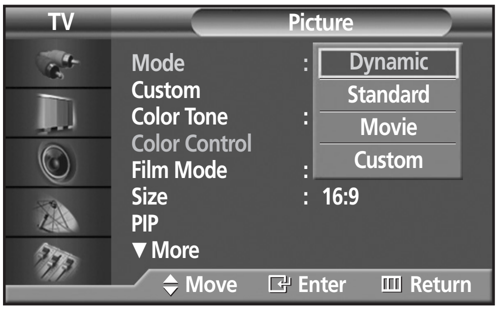
2 Press the ENTER button to select “Mode”.


TV
Picture
Mode
Custom
Color Tone
Color Control
Film Mode
PIP
▼More
Dynamic
Standard
Movie
Custom
Move
Enter
Return

Size : 16:9

3 Press the ▲ or ▼ button to select “Dynamic”, “Standard”, “Movie”, or “Custom” picture setting, then press the ENTER button.

- You can select “Custom”, “Entertain”, “Internet”, or “Text” in PC/DVI mode.


TV
Picture
Mode
Custom
Color Tone
Color Control
Film Mode
PIP
▼More
Dynamic
Standard
Movie
Custom
Move
Enter
Return

Size : 16:9

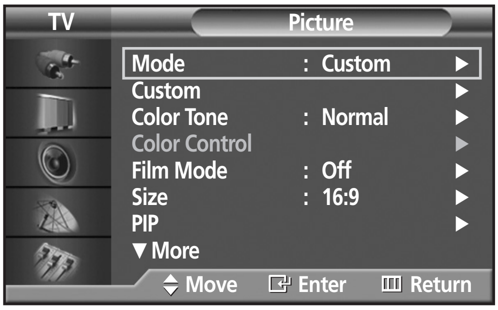
4 Press the MENU button to exit.

Notes

- Choose Dynamic for viewing the TV during the day or when there is bright light in the room.
- Choose Standard for the standard factory settings.
- Choose Movie when viewing the movie.
- Choose Custom if you want to adjust the settings according to personal preference. (see “Customizing the Picture”, page 36).

Selecting the Color Tone

1 Press the MENU button. Press the ▲ or ▼ button to select “Picture”, then press the ENTER button.


TV
Picture
Custom
Color Control
PIP
▼ More
Move
Enter
Return

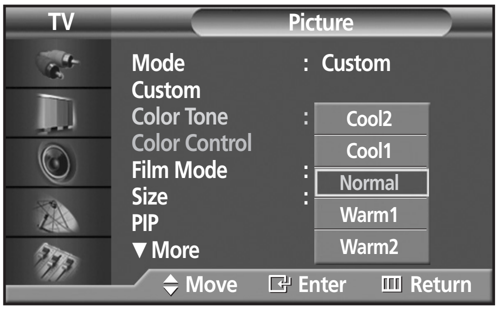
Mode : Custom

Color Tone : Normal

Film Mode : Off

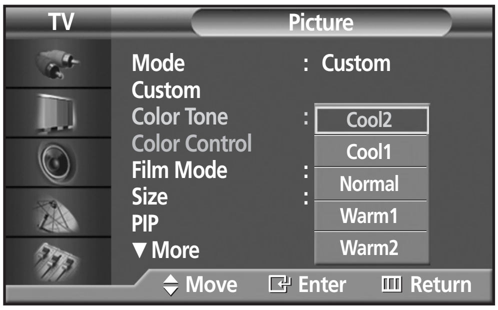
Size : 16:9

2 Press the ▲ or ▼ button to select “Color Tone”, then press the ENTER button.


TV
Picture
Custom
Color Tone
Color Control
Film Mode
Size
PIP
▼ More
Cool2
Cool1
Normal
Warm1
Warm2
Move
Enter
Return

Mode : Custom

3 Press the ▲ or ▼ button to select “Cool2”, “Cool1”, “Normal”, “Warm1”, or “Warm2”, then press the ENTER button.
- You can select “Custom”, “Cool”, Normal”, or “Warm” in PC mode.
- You can select “Cool”, “Normal” or “Warm” in DVI mode.


TV
Picture
Custom
Color Tone
Color Control
Film Mode
Size
PIP
▼ More
Cool2
Cool1
Normal
Warm1
Warm2
Move
Enter
Return

Mode : Custom

4 Press the MENU button to exit.

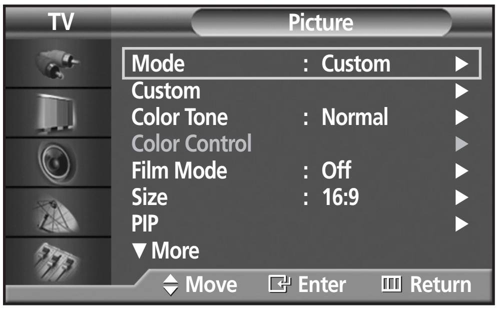
DNIe (Digital Natural Image engine)

Samsung's New Technology brings you more detailed images with contrast, white enhancement and 3D noise reduction.

---

1 Press the MENU button. Press the ▲ or ▼ button to select "Picture", then press the ENTER button.

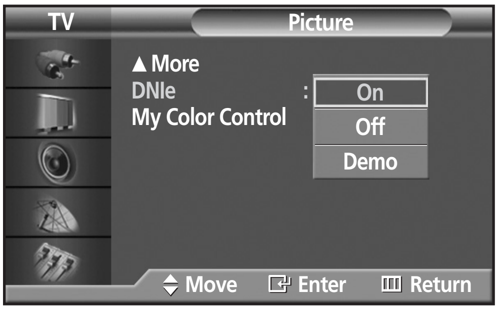
➤ Quick way to select DNIe: Simply press the "DNIe" button under the cover of the remote control.



Mode : Custom ▶
Custom ▶
Color Tone : Normal ▶
Color Control ▶
Film Mode : Off ▶
Size : 16:9 ▶
PIP ▶
▼ More

---

2 Press the ▲ or ▼ button to select "DNIe", then press the ENTER button.

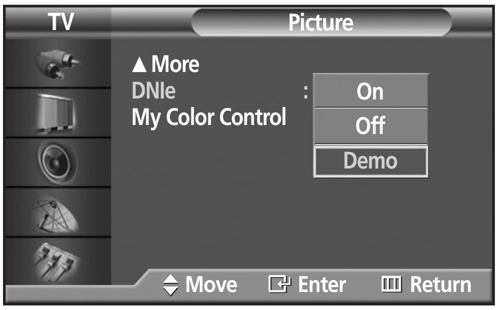


▲ More
DNIe : On
My Color Control
Off
Demo

---

3 Press the ▲ or ▼ button to select "On", "Off" or "Demo", then press the ENTER button.

- On : Switches on the DNIe mode.
- Off : Switches off the DNIe mode.
- Demo : The screen before applying DNIe appears on the right and the screen after applying DNIe appears on the left.



▲ More
DNIe : On
My Color Control
Off
Demo

---

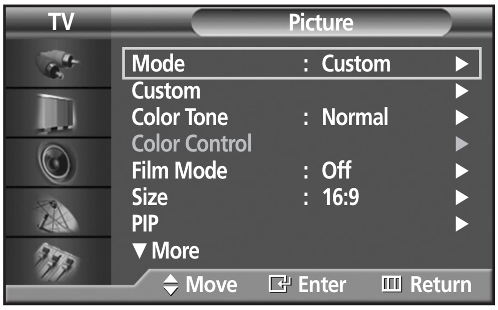
4 Press the MENU button to exit.

Changing the Screen Size

Screen size selection depends on the type of video input (DVD, PC etc.).

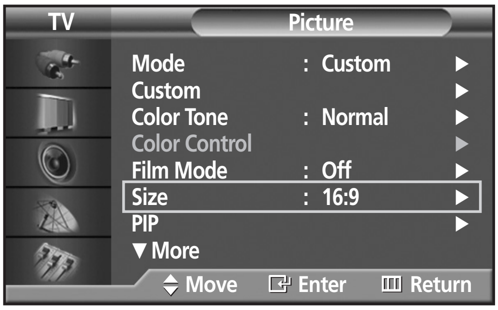
1 Press the MENU button. Press the ▲ or ▼ button to select "Picture", then press the ENTER button.

➤ Quick way to access the Screen Size menu : Just press the "ASPECT" button on the remote control.



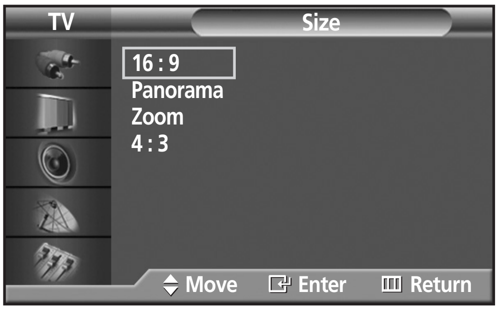
Mode : Custom ▶
Custom ▶
Color Tone : Normal ▶
Color Control ▶
Film Mode : Off ▶
Size : 16:9 ▶
PIP ▶
▼More

2 Press the ▲ or ▼ button to select "Size", then press the ENTER button.



Mode : Custom ▶
Custom ▶
Color Tone : Normal ▶
Color Control ▶
Film Mode : Off ▶
Size : 16:9 ▶
PIP ▶
▼More

3 Press the ▲ or ▼ button to select the screen size you want, then press the ENTER button.



16 : 9
Panorama
Zoom
4 : 3

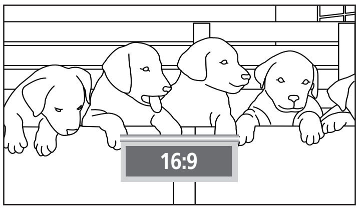
4 Press the MENU button to exit.

Note

- If you watch a still image or the 4:3 (Normal) mode for a long time (over 2 hours), an image may be burned onto the screen.
  View the monitor in 16:9(Wide) or Panorama mode as much as possible.

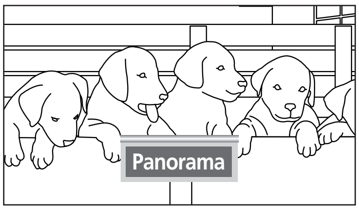
16:9(Wide)

16:9 Aspect Ratio that fits DVD and Wide Screen applications.



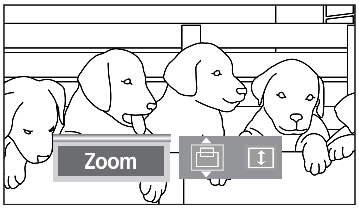
Panorama

Fits a 16:9 picture onto a 4:3 screen and displays it without clipping the image.



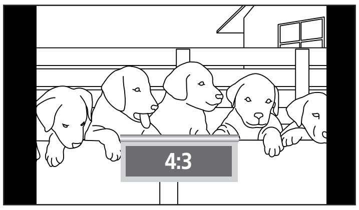
Zoom

Magnifies the 16:9 wide picture (in a vertical direction) to fit the screen size.
Select ▣ by pressing the ◀ or ▶ button.
Use the ▲ or ▼ button to move the picture up and down. After selecting ↕, use the ▲ or ▼ button to magnify or reduce the picture size in a vertical direction.



4 : 3(Normal)

Standard TV and VCR screen size having a 4:3 Aspect Ratio.



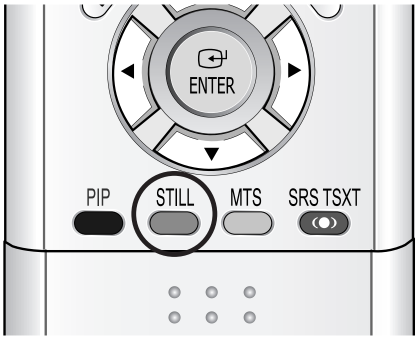
Notes

- In TV, VIDEO, S-VIDEO and Component (480i) modes, all screen modes can be selected. (16:9 → Panorama → Zoom → 4:3).
- In PC/DVI mode, only 16:9 & 4:3 modes can be selected.
- In Component (480p, 720p. 1080i) modes, Panorama mode can't be selected.
- In Component (480p, 720p. 1080i) modes, you can move the picture on screen by pressing the ▲ or ▼ button. (All screen modes)
- Changing the screen size to Normal, or Zoom during PIP mode will cause the PIP window to disappear.

Freezing the Picture

Still

Press the STILL button on the remote control to freeze a moving picture. Press again to cancel.


ENTER
PIP
STILL
MTS
SRS TSXT

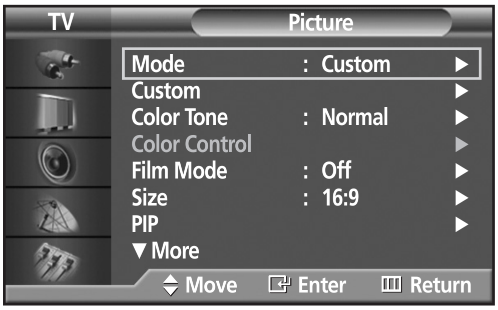
Viewing the Picture-in-Picture

Selecting the PIP Screen

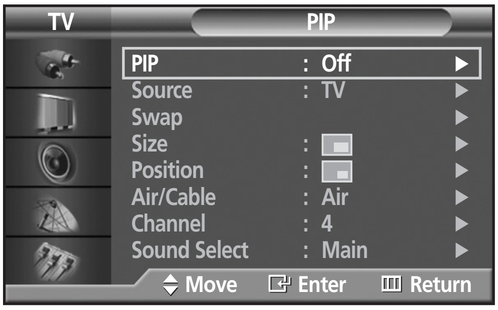
1 Press the MENU button. Press the ▲ or ▼ button to select “Picture”, then press the ENTER button.

➤ Quick way to access the PIP mode: Just press the “PIP” button on the remote control.

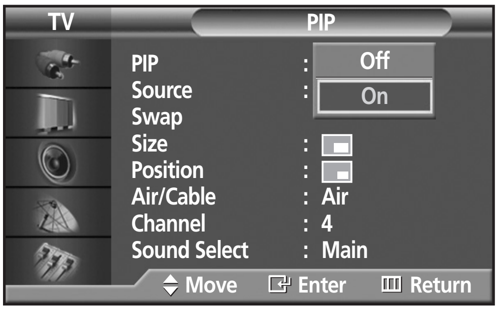
➤ For further information on “Sound Select”, refer to page 61.


TV Picture
Mode : Custom ▶
Custom ▶
Color Tone : Normal ▶
Color Control ▶
Film Mode : Off ▶
Size : 16:9 ▶
PIP ▶
▼More
Move Enter Return

2 Press the ▲ or ▼ button to select “PIP”, then press the ENTER button.


TV PIP
PIP : Off ▶
Source : TV ▶
Swap ▶
Size : ▶
Position : ▶
Air/Cable : Air ▶
Channel : 4 ▶
Sound Select : Main ▶
Move Enter Return

3 Press the ENTER button, then press the ▲ or ▼ button to select “On”. The PIP image will appear in the corner of the screen.
- Pressing the ▲ or ▼ button will alternate between “On” and “Off”.


TV PIP
PIP : Off
Source : On
Swap
Size :
Position :
Air/Cable : Air
Channel : 4
Sound Select : Main
Move Enter Return

4 Press the MENU button to exit.

PIP Settings

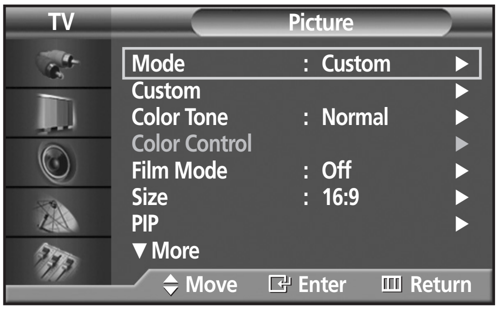
O : PIP and Swap Operate
X : PIP doesn’t Operate

Main screen / PIP screen	TV	AV 1	AV 2	AV 3	S-Video 1	S-Video 2	Component 1	Component 2	PC	DVI
TV	O	O	O	O	O	O	O	O	O	O
AV 1	O	X	O	O	O	O	O	O	O	O
AV 2	O	O	X	O	O	O	O	O	O	O
AV 3	O	O	O	X	O	O	O	O	O	O
S-Video 1	O	O	O	O	X	O	O	O	O	O
S-Video 2	O	O	O	O	O	X	O	O	O	O
Component 1	O	O	O	O	O	O	X	X	X	X
Component 2	O	O	O	O	O	O	X	X	X	X
PC	O	O	O	O	O	O	X	X	X	X
DVI	O	O	O	O	O	O	X	X	X	X

Selecting an External Signal

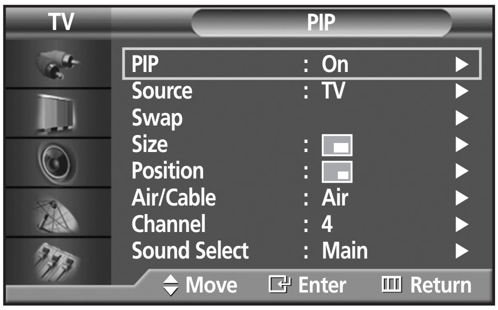
You can use PIP to view a signal from an external source, such as a VCR.

1 Press the MENU button. Press the ▲ or ▼ button to select “Picture”, then press the ENTER button.


TV
Picture
Move
Enter
Return

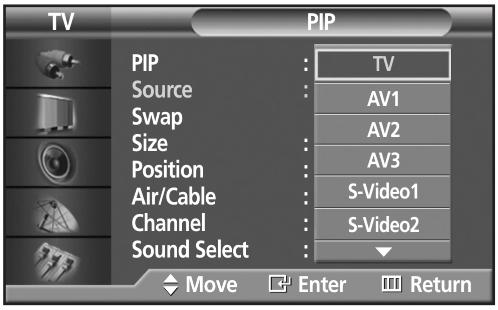
Mode : Custom ▶
Custom ▶
Color Tone : Normal ▶
Color Control ▶
Film Mode : Off ▶
Size : 16:9 ▶
PIP ▶
▼ More

2 Press the ▲ or ▼ button to select “PIP”, then press the ENTER button.


TV
PIP
Move
Enter
Return

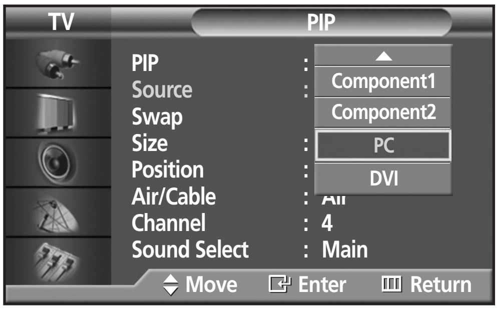
PIP : On ▶
Source : TV ▶
Swap ▶
Size : ▣ ▶
Position : ▣ ▶
Air/Cable : Air ▶
Channel : 4 ▶
Sound Select : Main ▶

3 Press the ▲ or ▼ button to select “Source”, then press the ENTER button.


TV
PIP
PIP
Source
Swap
Size
Position
Air/Cable
Channel
Sound Select
TV
AV1
AV2
AV3
S-Video1
S-Video2
▼
Move
Enter
Return

4 Press the ▲ or ▼ button to cycle through all of the available signal sources: “TV”, “AV1”, “AV2”, “AV3”, “S-Video1”, “S-Video2”, “Component1”, “Component2”, “PC”, and “DVI”.

The signal from these inputs will not appear if you have not connected any equipment to the PDP's respective input jacks.


TV
PIP
PIP
Source
Swap
Size
Position
Air/Cable
Channel : 4
Sound Select : Main
▲
Component1
Component2
PC
DVI
Move
Enter
Return

5 Press the MENU button to exit.

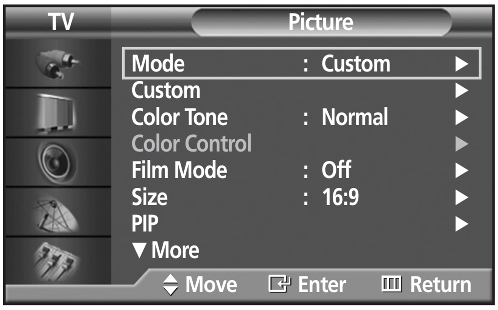
Notes

- The PIP function operates in Wide screen (16:9) and Panorama.
- Using Multi-Screen in the Normal (4 : 3) or Zoom screen will change the size of the main screen to Wide screen.

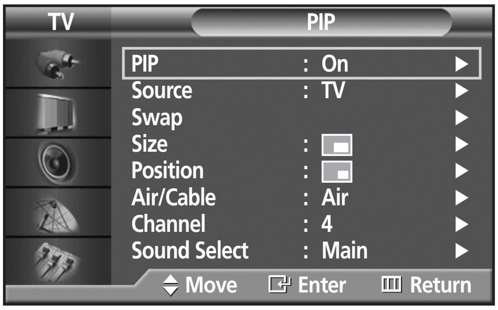
Swapping the Contents of the PIP Image and Main Image

1 Press the MENU button. Press the ▲ or ▼ button to select “Picture”, then press the ENTER button.

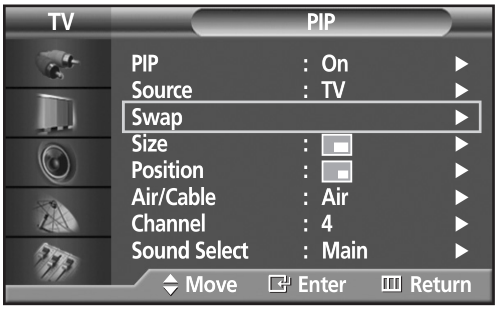
➤ Quick way to access swapping: Just press the “SWAP” button under the cover of the remote control.


TV
Picture
Mode : Custom ▶
Custom ▶
Color Tone : Normal ▶
Color Control ▶
Film Mode : Off ▶
Size : 16:9 ▶
PIP ▶
▼More

2 Press the ▲ or ▼ button to select “PIP”, then press the ENTER button.


TV
PIP
PIP : On ▶
Source : TV ▶
Swap ▶
Size : ▶
Position : ▶
Air/Cable : Air ▶
Channel : 4 ▶
Sound Select : Main ▶

3 Press the ▲ or ▼ button to select “Swap”, then press the ENTER button.
- The image in the PIP window will appear on the main screen, and vice versa.

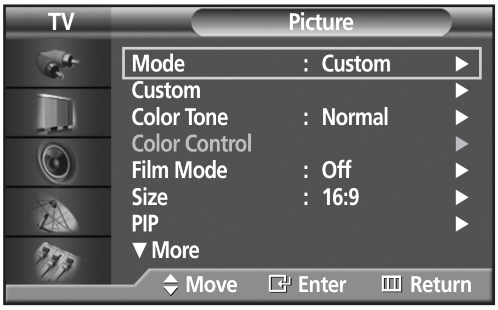

TV
PIP
PIP : On ▶
Source : TV ▶
Swap ▶
Size : ▶
Position : ▶
Air/Cable : Air ▶
Channel : 4 ▶
Sound Select : Main ▶

4 Press the MENU button to exit.

Changing the Size of the PIP Window

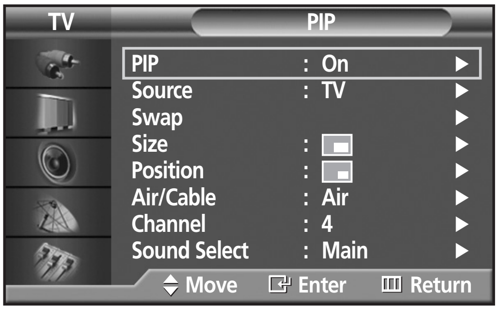
1 Press the MENU button. Press the ▲ or ▼ button to select “Picture”, then press the ENTER button.

➤ Quick way to access PIP size: Just press the “SIZE” button under the cover of the remote control.


TV
Picture
Move
Enter
Return

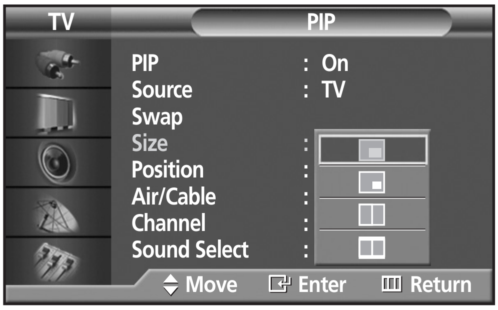
Mode : Custom ▶
Custom ▶
Color Tone : Normal ▶
Color Control ▶
Film Mode : Off ▶
Size : 16:9 ▶
PIP ▶
▼ More

2 Press the ▲ or ▼ button to select “PIP”, then press the ENTER button.


TV
PIP
Move
Enter
Return

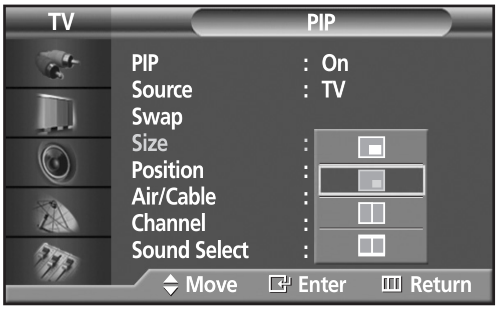
PIP : On ▶
Source : TV ▶
Swap ▶
Size : ▶
Position : ▶
Air/Cable : Air ▶
Channel : 4 ▶
Sound Select : Main ▶

3 Press the ▲ or ▼ button to select “Size”, then press the ENTER button.


TV
PIP
Move
Enter
Return

PIP : On
Source : TV
Swap
Size :
Position :
Air/Cable :
Channel :
Sound Select :

4 Press the ▲ or ▼ button to select option you want, then press the ENTER button.

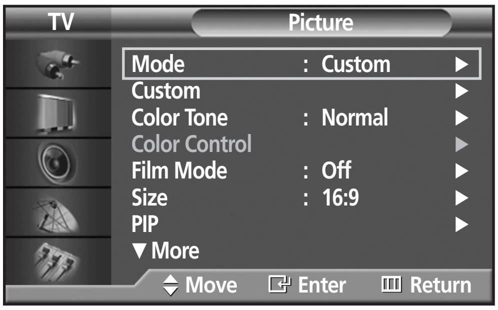

TV
PIP
Move
Enter
Return

PIP : On
Source : TV
Swap
Size :
Position :
Air/Cable :
Channel :
Sound Select :

5 Press the MENU button to exit.

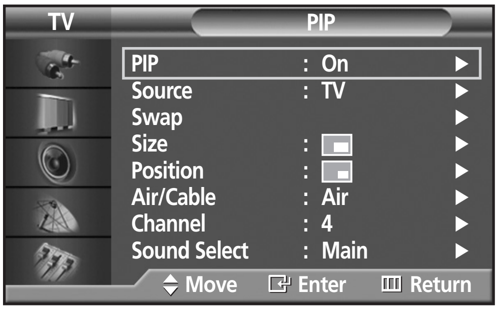
Changing the Location of the PIP Image

1 Press the MENU button. Press the ▲ or ▼ button to select “Picture”, then press the ENTER button.


TV
Picture
Move
Enter
Return

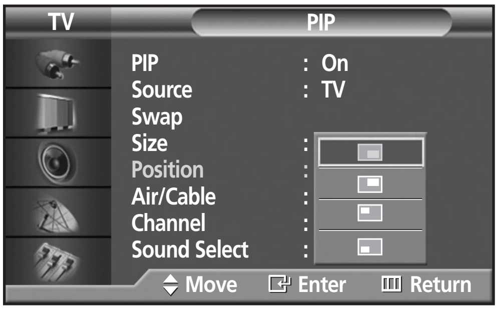
Mode : Custom
Custom
Color Tone : Normal
Color Control
Film Mode : Off
Size : 16:9
PIP
▼ More

2 Press the ▲ or ▼ button to select “PIP”, then press the ENTER button.


TV
PIP
Move
Enter
Return

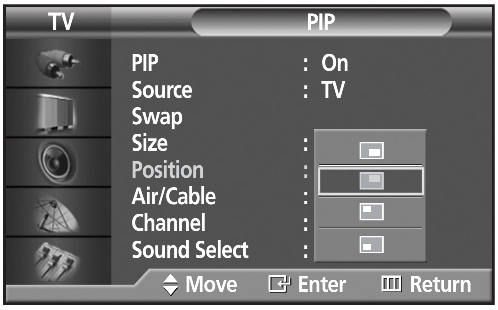
PIP : On
Source : TV
Swap
Size :
Position :
Air/Cable : Air
Channel : 4
Sound Select : Main

3 Press the ▲ or ▼ button to select “Position”, then press the ENTER button.


TV
PIP
Move
Enter
Return

PIP : On
Source : TV
Swap
Size :
Position :
Air/Cable :
Channel :
Sound Select :

4 Press the ▲ or ▼ button to select PIP position you want, then press the ENTER button.


TV
PIP
Move
Enter
Return

PIP : On
Source : TV
Swap
Size :
Position :
Air/Cable :
Channel :
Sound Select :

5 Press the MENU button to exit.

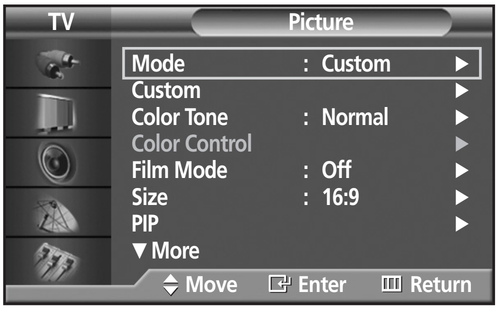
Note

- The Double1(◫) or Double2(◫) mode can not be selected in position.

Selecting a Signal Source (Antenna or Cable) for PIP

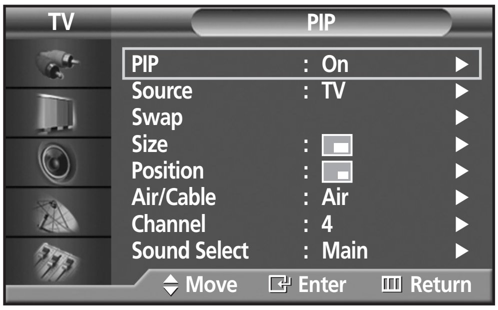
If the PIP source is TV while PIP is ON, you can select a different broadcasting source for the PIP picture from the main picture.

1 Press the MENU button. Press the ▲ or ▼ button to select “Picture”, then press the ENTER button.



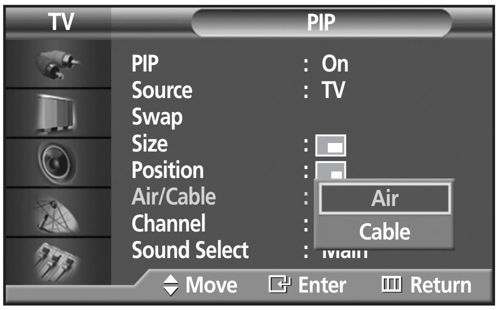
Mode : Custom
Custom
Color Tone : Normal
Color Control
Film Mode : Off
Size : 16:9
PIP
▼More

2 Press the ▲ or ▼ button to select “PIP”, then press the ENTER button.



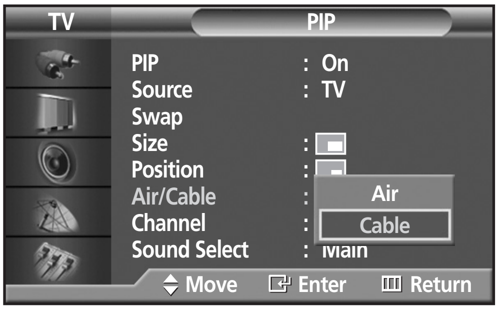
PIP : On
Source : TV
Swap
Size : ▣
Position : ▣
Air/Cable : Air
Channel : 4
Sound Select : Main

3 Press the ▲ or ▼ button to select “Air/Cable”, then press the ENTER button.



PIP : On
Source : TV
Swap
Size : ▣
Position : ▣
Air/Cable : Air
Cable
Channel :
Sound Select : Main

4 If an antenna is connected, the setting is “Air”. If a Cable TV system is providing the signal, press the ▲ or ▼ button until the appropriate type of cable system is selected (“Cable”).



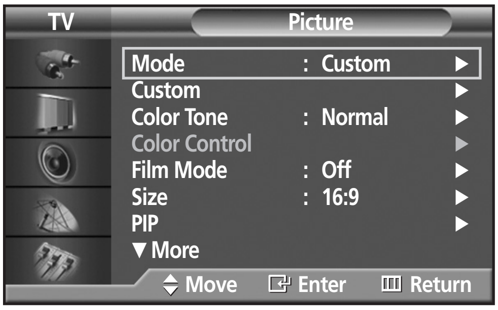
PIP : On
Source : TV
Swap
Size : ▣
Position : ▣
Air/Cable : Air
Channel : Cable
Sound Select : Main

5 Press the MENU button to exit the menu.

Changing the PIP Channel

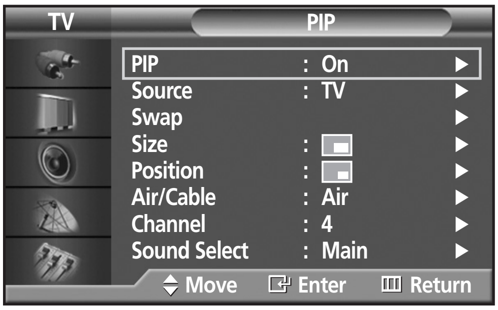
1 Press the MENU button. Press the ▲ or ▼ button to select “Picture”, then press the ENTER button.

➤ Quick way to change the PIP channel: Just press the “CH︿” or “CH﹀” button under the cover of the remote control.


TV
Picture
Move
Enter
Return

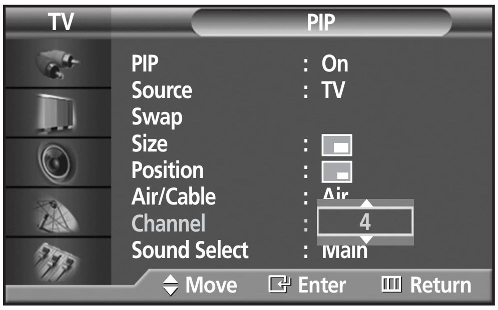
Mode : Custom ▶
Custom ▶
Color Tone : Normal ▶
Color Control ▶
Film Mode : Off ▶
Size : 16:9 ▶
PIP ▶
▼More

2 Press the ▲ or ▼ button to select “PIP”, then press the ENTER button.


TV
PIP
Move
Enter
Return

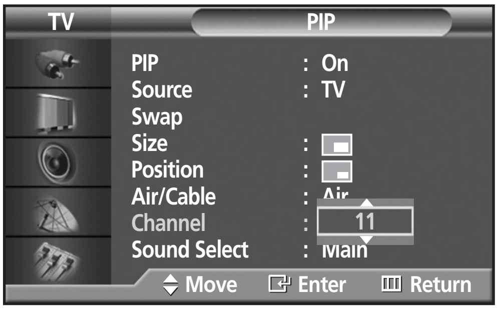
PIP : On ▶
Source : TV ▶
Swap ▶
Size : ▣ ▶
Position : ▣ ▶
Air/Cable : Air ▶
Channel : 4 ▶
Sound Select : Main ▶

3 Press the ▲ or ▼ button to select “Channel”, then press the ENTER button.


TV
PIP
Move
Enter
Return

PIP : On
Source : TV
Swap
Size : ▣
Position : ▣
Air/Cable : Air
Channel : 4
Sound Select : Main

4 Press the ▲ or ▼ button to change the channel that appears in the PIP window.


TV
PIP
Move
Enter
Return

PIP : On
Source : TV
Swap
Size : ▣
Position : ▣
Air/Cable : Air
Channel : 11
Sound Select : Main

5 Press the MENU button to exit.

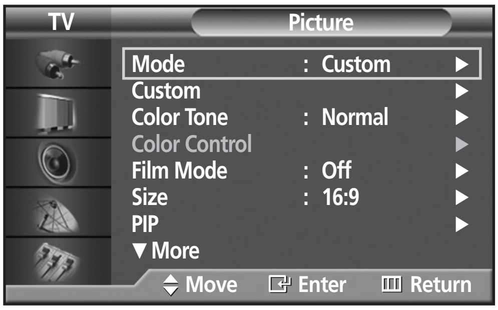
Setting the My Color Control Mode

My Color Control mode allows users to adjust colors to according to their preferences, by adjusting skin, sky, and grass tones using the predefined settings (Standard, Custom, Blue, Green, Pink) without affecting other colors on the screen.

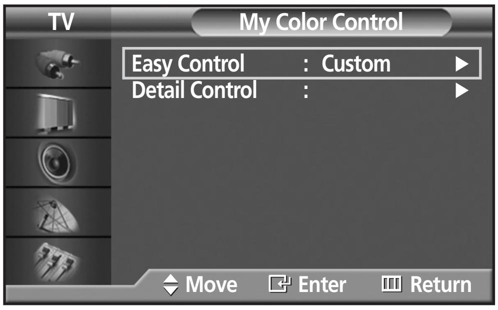
Using the My Color Control Function in the Easy Control Menu

Skin, sky and grass tones are easily adjustable to suit your preferences.

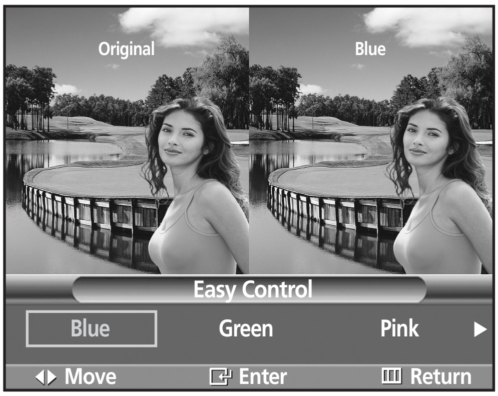
1 Press the MENU button. Press the ▲ or ▼ button to select “Picture”, then press the ENTER button.


TV
Picture
Mode : Custom ▶
Custom ▶
Color Tone : Normal ▶
Color Control ▶
Film Mode : Off ▶
Size : 16:9 ▶
PIP ▶
▼More
Move
Enter
Return

2 Press the ▲ or ▼ button to select “My Color Control”, then press the ENTER button.

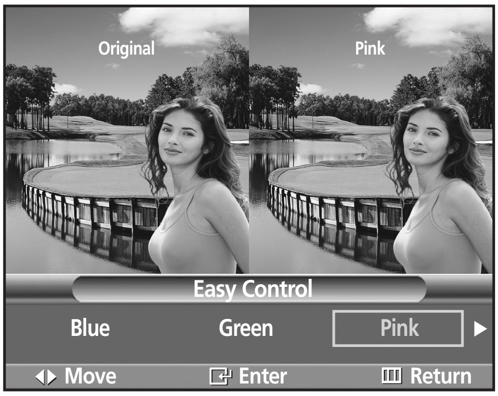

TV
My Color Control
Easy Control : Custom ▶
Detail Control : ▶
Move
Enter
Return

3 Press the ▲ or ▼ button to select “Easy Control”, then press the ENTER button.


Original
Blue
Easy Control
Blue
Green
Pink ▶
Move
Enter
Return

4 Press the ◀ or ▶ button to select among the various picture settings. The original picture (before adjustment) is shown on the left side, while the selected mode is shown on the right side.

➤ There are five My Color Control modes: Standard, Custom, Blue, Green, and Pink.


Original
Pink
Easy Control
Blue
Green
Pink ▶
Move
Enter
Return

5 Press the MENU button to exit the menu.

Note

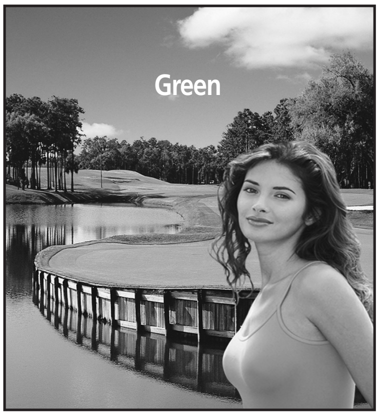
- This feature is operated when the “DNIe” is set to “On” or “Demo” mode.

My Color Control Mode Characteristics

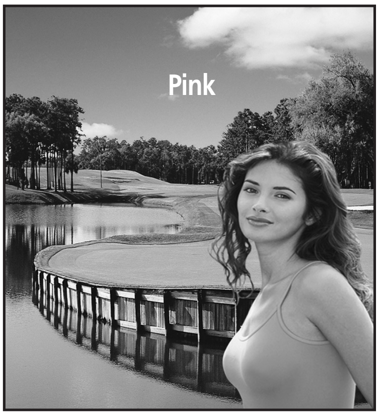
Using My Color Control Mode, you can enjoy vivid colors as shown below.

➤ Standard Picture.

➤ Emphasizes Clear Blues.



➤ Emphasizes Mild Greens.



➤ Emphasizes Warm Skin Colors.

Note

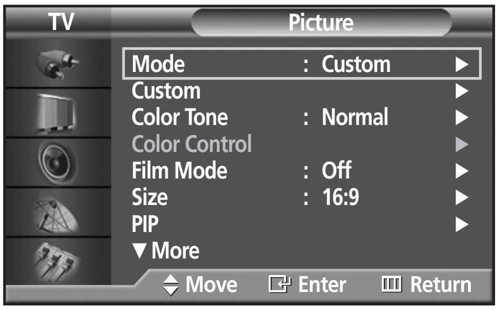
- Images shown above may differ from the actual adjustment on the screen.
  These images are presented for illustrative purposes.

Setting the My Color Control Mode

My Color Control Custom Settings

Users can adjust the 3 My Color Control colors (Pink, Green, and Blue).

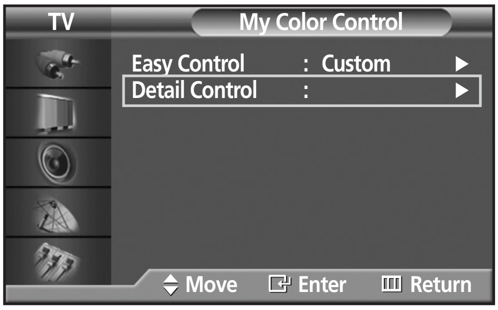
1 Press the MENU button. Press the ▲ or ▼ button to select “Picture”, then press the ENTER button.


TV
Picture

Mode : Custom ▶
Custom ▶
Color Tone : Normal ▶
Color Control ▶
Film Mode : Off ▶
Size : 16:9 ▶
PIP ▶
▼ More

Move
Enter
Return

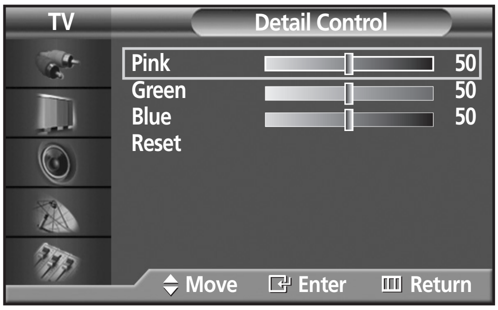
2 Press the ▲ or ▼ button to select “My Color Control”, then press the ENTER button.


TV
My Color Control

Easy Control : Custom ▶
Detail Control : ▶

Move
Enter
Return

3 Press the ▲ or ▼ button to select “Detail Control”, then press the ENTER button.

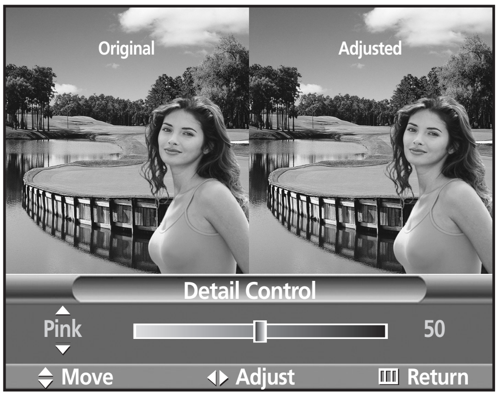

TV
Detail Control

Pink 50
Green 50
Blue 50
Reset

Move
Enter
Return

4 Press the ▲ or ▼ button to select the desired color and then press the ENTER or ▶ button.

➤ The original picture (before adjustment) is shown on the left side, while the picture after adjustment is shown on the right side, and an adjustment bar on the bottom of the screen.


Original
Adjusted
Detail Control

Pink 50

Move
Adjust
Return

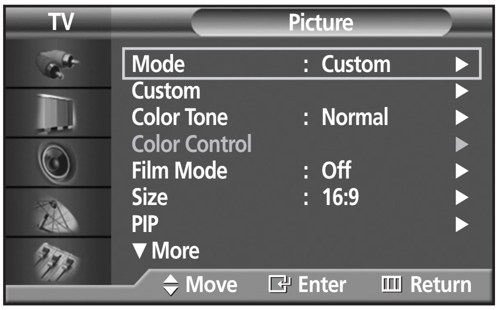
5 Press the ◀ or ▶ button to adjust the settings.
Press the ▲ or ▼ button to choose other colors.

6 Press the ENTER or MENU button to confirm the changes and return to the previous menu.

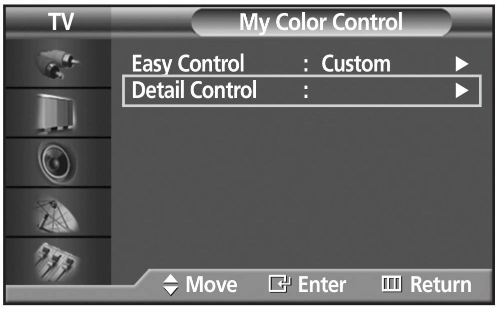
Resetting the My Color Control Colors to the Factory Defaults

To return to the factory default settings for My Color Control colors, use the Reset function.

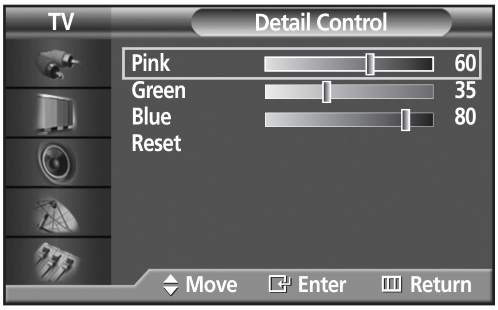
1 Press the MENU button. Press the ▲ or ▼ button to select “Picture”, then press the ENTER button.


TV
Picture
Mode : Custom ▶
Custom ▶
Color Tone : Normal ▶
Color Control ▶
Film Mode : Off ▶
Size : 16:9 ▶
PIP ▶
▼More
Move
Enter
Return

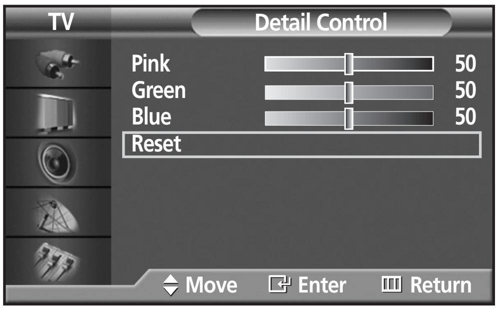
2 Press the ▲ or ▼ button to select “My Color Control”, then press the ENTER button.


TV
My Color Control
Easy Control : Custom ▶
Detail Control : ▶
Move
Enter
Return

3 Press the ▲ or ▼ button to select “Detail Control”, then press the ENTER button.


TV
Detail Control
Pink 60
Green 35
Blue 80
Reset
Move
Enter
Return

4 Press the ▲ or ▼ button to select “Reset” and press the ENTER button.


TV
Detail Control
Pink 50
Green 50
Blue 50
Reset
Move
Enter
Return

5 The previously adjusted My Color Control Colors will be reset to the factory defaults.(The default value for My Color Control colors is 50.)

6 Press the MENU button to exit the menu.

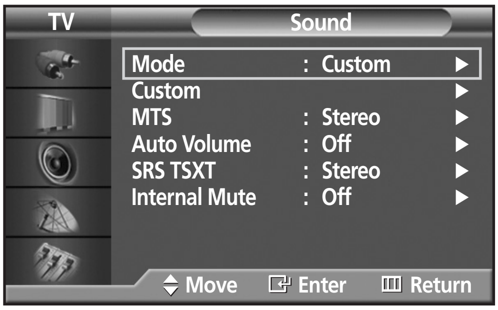
PLASMA DISPLAY PANEL

Sound Control

Customizing the Sound 56
Using Automatic Sound Settings 57
Choosing a Multi-Channel Sound (MTS)Soundtrack 58
Using the Auto Volume..59
Setting the TruSurround XT 60
Listening to the Sound of the Sub (PIP) Picture 61
Selecting the Internal Mute 62

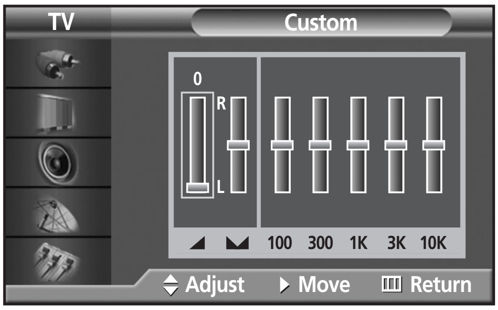
Customizing the Sound

1 Press the MENU button. Press the ▲ or ▼ button to select “Sound”, then press the ENTER button.


TV
Sound
Move
Enter
Return

Mode : Custom ▶
Custom ▶
MTS : Stereo ▶
Auto Volume : Off ▶
SRS TSXT : Stereo ▶
Internal Mute : Off ▶

2 Press the ▲ or ▼ button to select “Custom”, then press the ENTER button.


TV
Custom
0
R
L
100
300
1K
3K
10K
Adjust
Move
Return

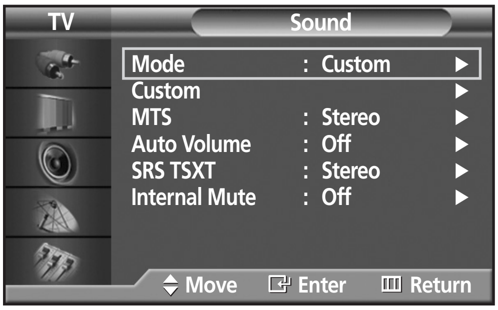
3 Select the option (volume, balance, equalizer) to be adjusted by pressing the ◀ or ▶ button. Press the ▲ or ▼ button to reach the required setting.

4 Press the MENU button to exit.

➤ If you make any changes to the equalizer settings, the sound Mode is automatically switched to the custom mode.

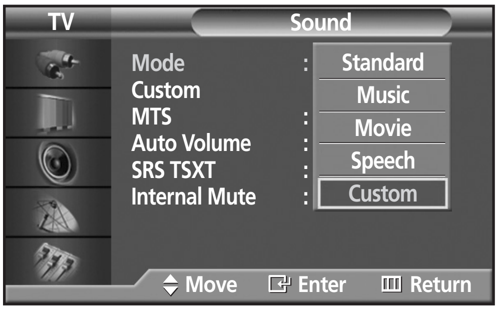
Using Automatic Sound Settings

1 Press the MENU button. Press the ▲ or ▼ button to select “Sound”, then press the ENTER button.

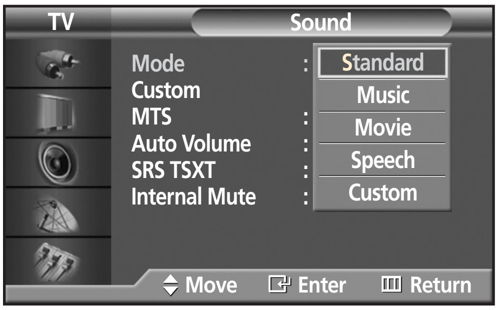

TV
Sound
Move
Enter
Return

Mode : Custom ▶
Custom ▶
MTS : Stereo ▶
Auto Volume : Off ▶
SRS TSXT : Stereo ▶
Internal Mute : Off ▶

2 Press the ENTER button to select “Mode”.


TV
Sound
Mode
Custom
MTS
Auto Volume
SRS TSXT
Internal Mute
Standard
Music
Movie
Speech
Custom
Move
Enter
Return

3 Press the ▲ or ▼ button to select “Standard”, “Music”, “Movie”, “Speech” or “Custom” sound setting, then press the ENTER button.


TV
Sound
Mode
Custom
MTS
Auto Volume
SRS TSXT
Internal Mute
Standard
Music
Movie
Speech
Custom
Move
Enter
Return

4 Press the MENU button to exit.

Notes

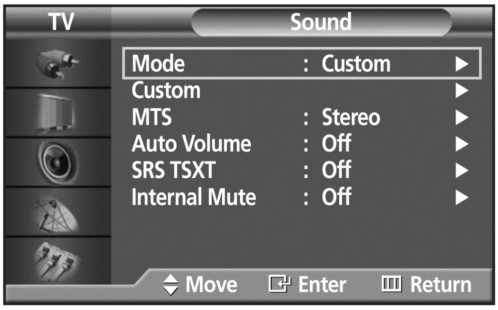
- Choose Standard for the standard factory settings.
- Choose Music when watching music videos or concerts.
- Choose Movie when watching movie.
- Choose Speech when watching a show that is mostly dialogue (i.e., news).
- Choose Custom to recall your personalized settings. (see “Customizing the Sound”, page 56).

Choosing a Multi-Channel Sound (MTS) Soundtrack

Depending on the particular program being broadcast, you can listen to stereo, mono, or a Separate Audio Program. (SAP audio is usually a foreign-language translation. Sometimes SAP has unrelated information like news or weather.)

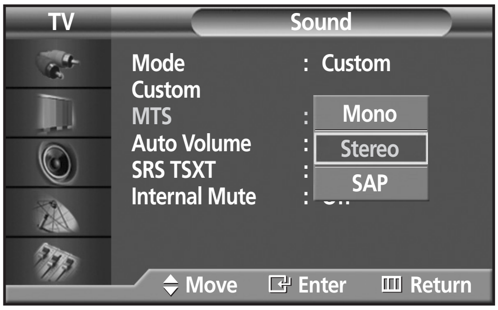
1 Press the MENU button. Press the ▲ or ▼ button to select “Sound”, then press the ENTER button.

➤ Quick way to access the MTS menu: Just press the “MTS” button on the remote control.


TV
Sound
Move
Enter
Return

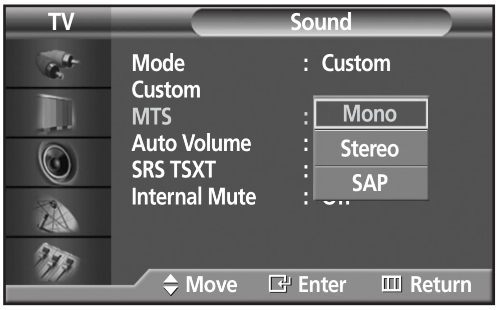
Mode : Custom ▶
Custom ▶
MTS : Stereo ▶
Auto Volume : Off ▶
SRS TSXT : Off ▶
Internal Mute : Off ▶

2 Press the ▲ or ▼ button to select “MTS”, then press the ENTER button.


TV
Sound
Mode
Custom
MTS
Auto Volume
SRS TSXT
Internal Mute
Mono
Stereo
SAP
Move
Enter
Return

Mode : Custom

3 Press the ▲ or ▼ button to select “Mono”, “Stereo” or “SAP”, then press the ENTER button.


TV
Sound
Mode
Custom
MTS
Auto Volume
SRS TSXT
Internal Mute
Mono
Stereo
SAP
Move
Enter
Return

Mode : Custom

4 Press the MENU button to exit.

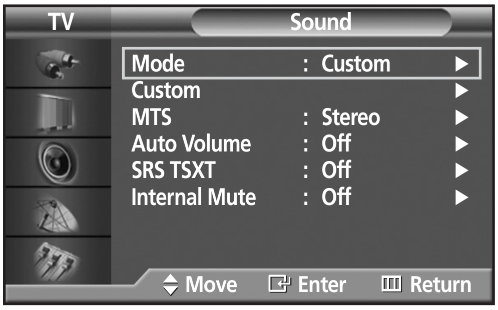
Notes

- Choose *Stereo* for channels that are broadcasting in stereo.
- Choose *Mono* for channels that are broadcasting in mono, or if you are having difficulty receiving a stereo signal.
- Choose *SAP* to listen to the Separate Audio Program, which is usually a foreign-language translation.
- The MTS function operates in TV mode only.

Using the Auto Volume

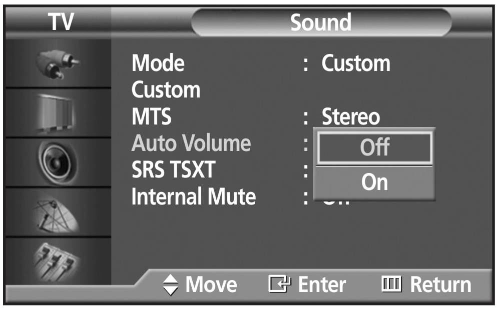
Each broadcasting station has its own signal conditions, which can make it necessary to adjust the volume every time the channel is changed. “Auto volume” lets you automatically adjust the volume of the desired channel by lowering the sound output when the modulation signal is high or by raising the sound output when the modulation signal is low.

1 Press the MENU button. Press the ▲ or ▼ button to select “Sound”, then press the ENTER button.



Mode : Custom ▶
Custom ▶
MTS : Stereo ▶
Auto Volume : Off ▶
SRS TSXT : Off ▶
Internal Mute : Off ▶

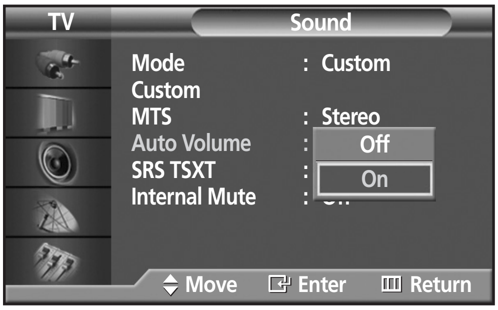
2 Press the ▲ or ▼ button to select “Auto Volume”, then press the ENTER button.



Mode : Custom
Custom
MTS : Stereo
Auto Volume :
SRS TSXT :
Internal Mute :

3 Press the ▲ or ▼ button to select “On”, then press the ENTER button.

- Pressing the ▲ or ▼ button will alternate between “On” and “Off”.



Mode : Custom
Custom
MTS : Stereo
Auto Volume :
SRS TSXT :
Internal Mute :

4 Press the MENU button to exit.

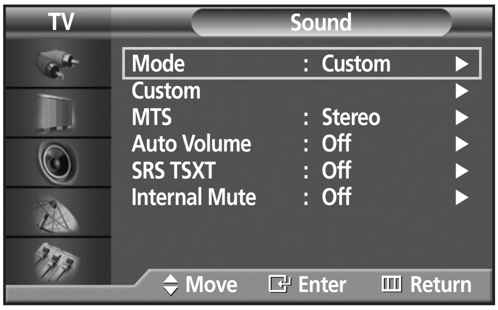
Setting the TruSurround XT

TruSurround XT is a patented SRS technology that solves the problem of playing 5.1 multichannel content over two speakers. Trusurround delivers a compelling, virtual surround sound experience through any two-speaker playback system, including internal television speakers. It is fully compatible with all multichannel formats.

---

1 Press the MENU button. Press the ▲ or ▼ button to select "Sound", then press the ENTER button.

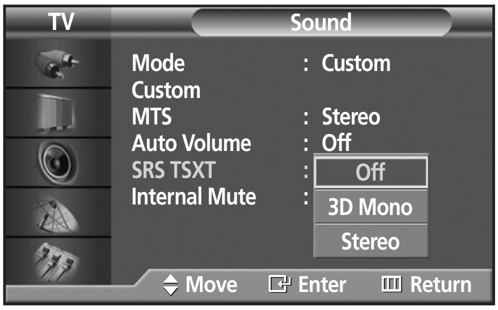
➤ Quick way to access the TruSurround XT menu: Just press the "SRS TSXT" button on the remote control.


TV
Sound
▶
◆ Move
Enter
Return

Mode : Custom
Custom
MTS : Stereo
Auto Volume : Off
SRS TSXT : Off
Internal Mute : Off

---

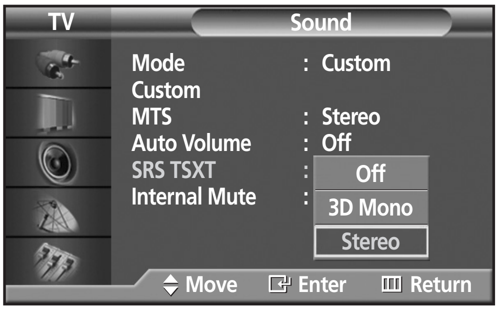
2 Press the ▲ or ▼ button to select "SRS TSXT", then press the ENTER button.


TV
Sound
Off
3D Mono
Stereo
◆ Move
Enter
Return

Mode : Custom
Custom
MTS : Stereo
Auto Volume : Off
SRS TSXT : Off
Internal Mute :

---

3 Press the ▲ or ▼ button to change the setting (Off, 3D Mono or Stereo), then press the ENTER button.


TV
Sound
Off
3D Mono
Stereo
◆ Move
Enter
Return

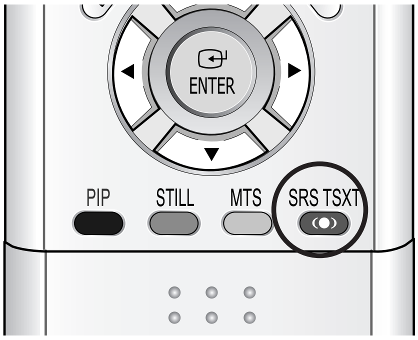
Mode : Custom
Custom
MTS : Stereo
Auto Volume : Off
SRS TSXT : Stereo
Internal Mute :

---

4 Press the MENU button to exit.

➤ TruSurround XT, SRS and ((●)) Symbol are trademarks of SRS Labs, Inc. TruSurround XT technology is incorporated under license from SRS Labs, Inc.

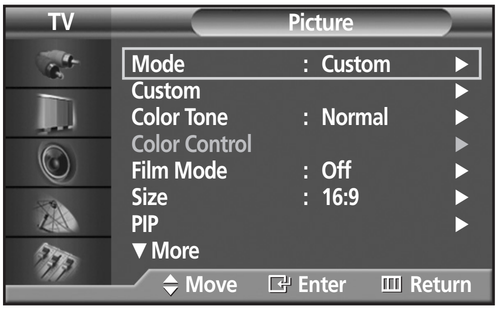
SRS(●) TruSurround XT


ENTER
PIP
STILL
MTS
SRS TSXT

Listening to the Sound of the Sub (PIP) Picture

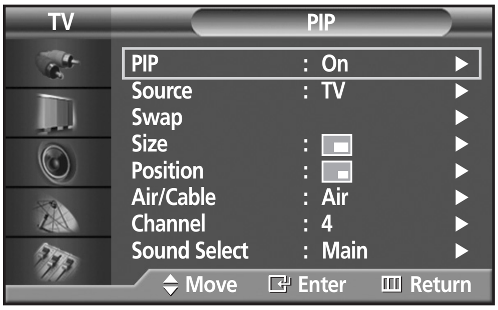
When the PIP feature is activated, you can listen to the sound of the sub picture.

1 Press the MENU button. Press the ▲ or ▼ button to select “Picture”, then press the ENTER button.


TV
Picture
Move
Enter
Return

Mode : Custom
Custom
Color Tone : Normal
Color Control
Film Mode : Off
Size : 16:9
PIP
▼More

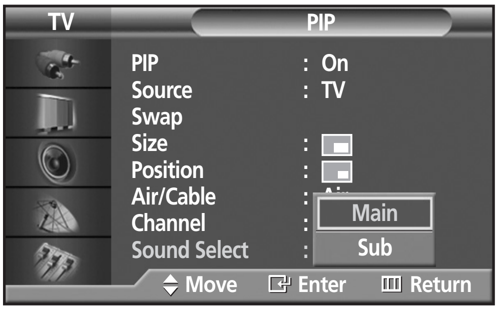
2 Press the ▲ or ▼ button to select “PIP”, then press the ENTER button.


TV
PIP
Move
Enter
Return

PIP : On
Source : TV
Swap
Size :
Position :
Air/Cable : Air
Channel : 4
Sound Select : Main

3 Press the ▲ or ▼ button to select “Sound Select”, then press the ENTER button.

- Pressing the ▲ or ▼ button will alternate between “Main” and “Sub”.

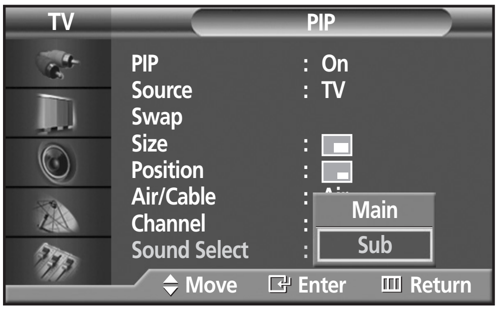

TV
PIP
Move
Enter
Return

PIP : On
Source : TV
Swap
Size :
Position :
Air/Cable :
Channel :
Sound Select :
Main
Sub

4 Set to Sub by pressing the ▲ or ▼ button.

- You can listen to the sound of the sub picture.

➤ To listen the sound of the main picture, set to Main.


TV
PIP
Move
Enter
Return

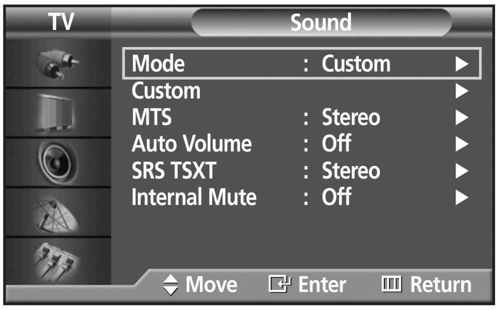
PIP : On
Source : TV
Swap
Size :
Position :
Air/Cable :
Channel :
Sound Select :
Main
Sub

5 Press the MENU button to exit.

Selecting the Internal Mute

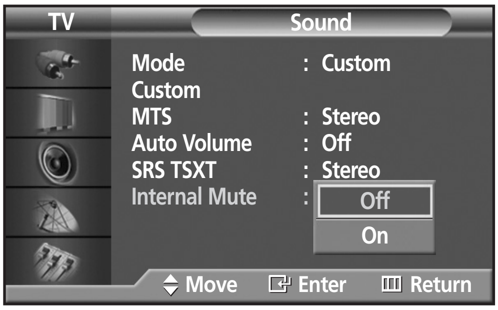
The internal speakers can be muted in order to hear sound from external speakers you've connected.

1 Press the MENU button. Press the ▲ or ▼ button to select “Sound”, then press the ENTER button.


TV
Sound
Move
Enter
Return

Mode : Custom ▶
Custom ▶
MTS : Stereo ▶
Auto Volume : Off ▶
SRS TSXT : Stereo ▶
Internal Mute : Off ▶

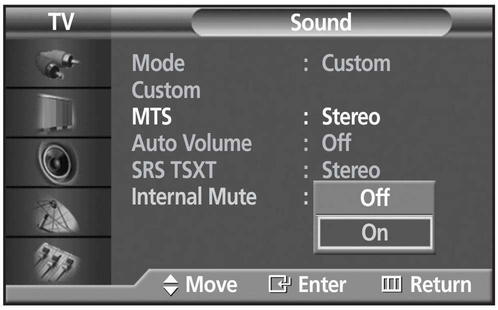
2 Press the ▲ or ▼ button to select “Internal Mute”, then press the ENTER button.


TV
Sound
Move
Enter
Return

Mode : Custom
Custom
MTS : Stereo
Auto Volume : Off
SRS TSXT : Stereo
Internal Mute : Off
On

3 Press the ▲ or ▼ button to select “On”, then press the ENTER button.

- Pressing the ▲ or ▼ button will alternate between “On” and “Off”.


TV
Sound
Move
Enter
Return

Mode : Custom
Custom
MTS : Stereo
Auto Volume : Off
SRS TSXT : Stereo
Internal Mute : Off
On

4 Press the MENU button to exit.

PLASMA DISPLAY PANEL

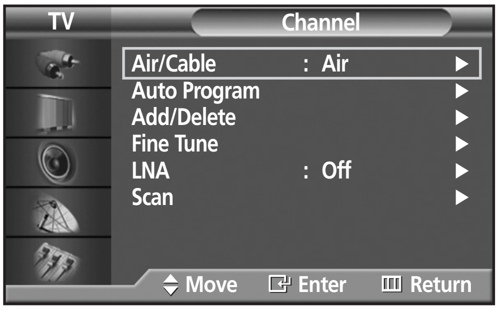
Channel Control CH

Fine Tuning Channels..64
LNA (Low Noise Amplifier)...65

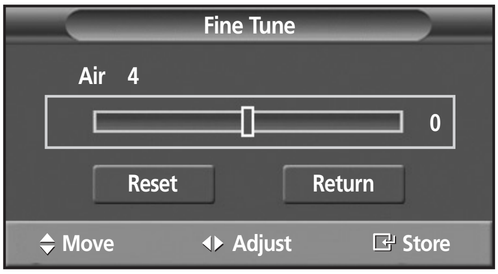
Fine Tuning Channels

Use fine tuning to manually adjust a particular channel for optimal reception.

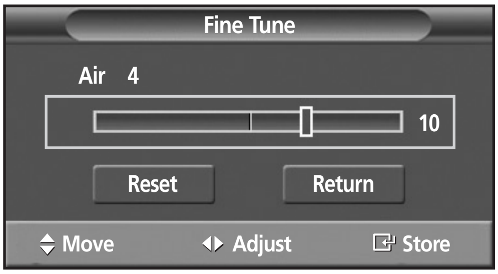
1 Press the MENU button. Press the ▲ or ▼ button to select “Channel”, then press the ENTER button.


TV
Channel
Air/Cable : Air ▶
Auto Program ▶
Add/Delete ▶
Fine Tune ▶
LNA : Off ▶
Scan ▶
Move
Enter
Return

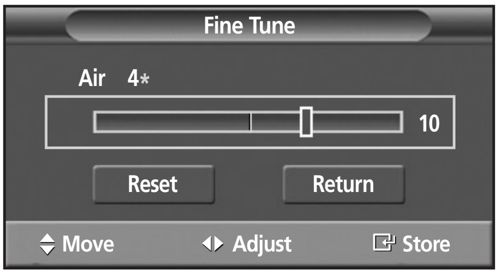
2 Press the ▲ or ▼ button to select “Fine Tune”, then press the ENTER button.


Fine Tune
Air 4
0
Reset
Return
Move
Adjust
Store

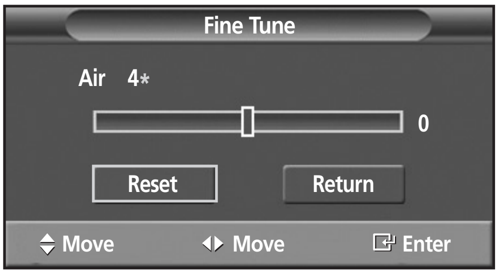
3 Press the ◀ or ▶ button to adjust the fine tuning.


Fine Tune
Air 4
10
Reset
Return
Move
Adjust
Store

4 To store the fine tuning setting in the TV’s memory, press the ENTER button. (A star icon(*) will appear.) To reset the fine tuning to “0”, press the ▼ button to select “Reset”, then press the ENTER button.


Fine Tune
Air 4*
10
Reset
Return
Move
Adjust
Store

5 Press the MENU button to exit.

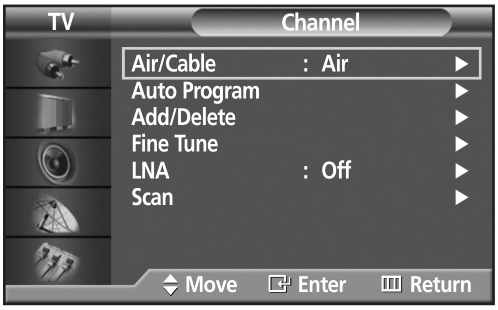

Fine Tune
Air 4*
0
Reset
Return
Move
Move
Enter

LNA (Low Noise Amplifier)

If the TV is operating in a weak-signal area, sometimes the LNA function can improve the reception (a low-noise preamplifier boosts the incoming signal).

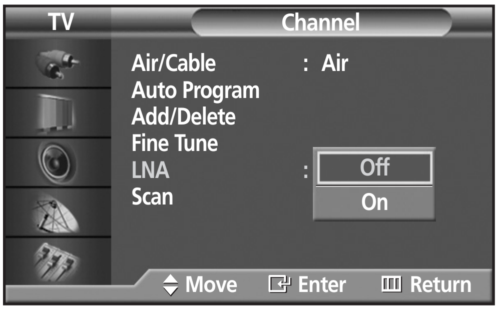
---

1 Press the MENU button. Press the ▲ or ▼ button to select “Channel”, then press the ENTER button.


TV
Channel
Air/Cable : Air ▶
Auto Program ▶
Add/Delete ▶
Fine Tune ▶
LNA : Off ▶
Scan ▶
Move
Enter
Return

---

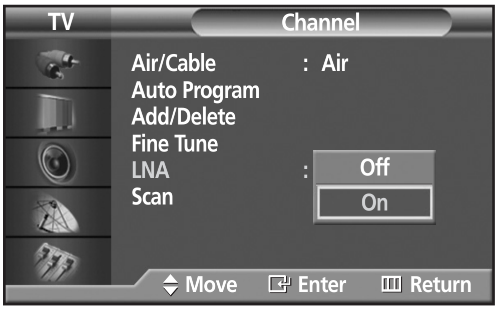
2 Press the ▲ or ▼ button to select “LNA”, then press the ENTER button.


TV
Channel
Air/Cable : Air
Auto Program
Add/Delete
Fine Tune
LNA :
Off
On
Scan
Move
Enter
Return

---

3 Press the ▲ or ▼ button to select “On”, then press the ENTER button.

- Pressing the ▲ or ▼ button will alternate between “On” and “Off”.


TV
Channel
Air/Cable : Air
Auto Program
Add/Delete
Fine Tune
LNA :
Off
On
Scan
Move
Enter
Return

---

4 Press the MENU button to exit.

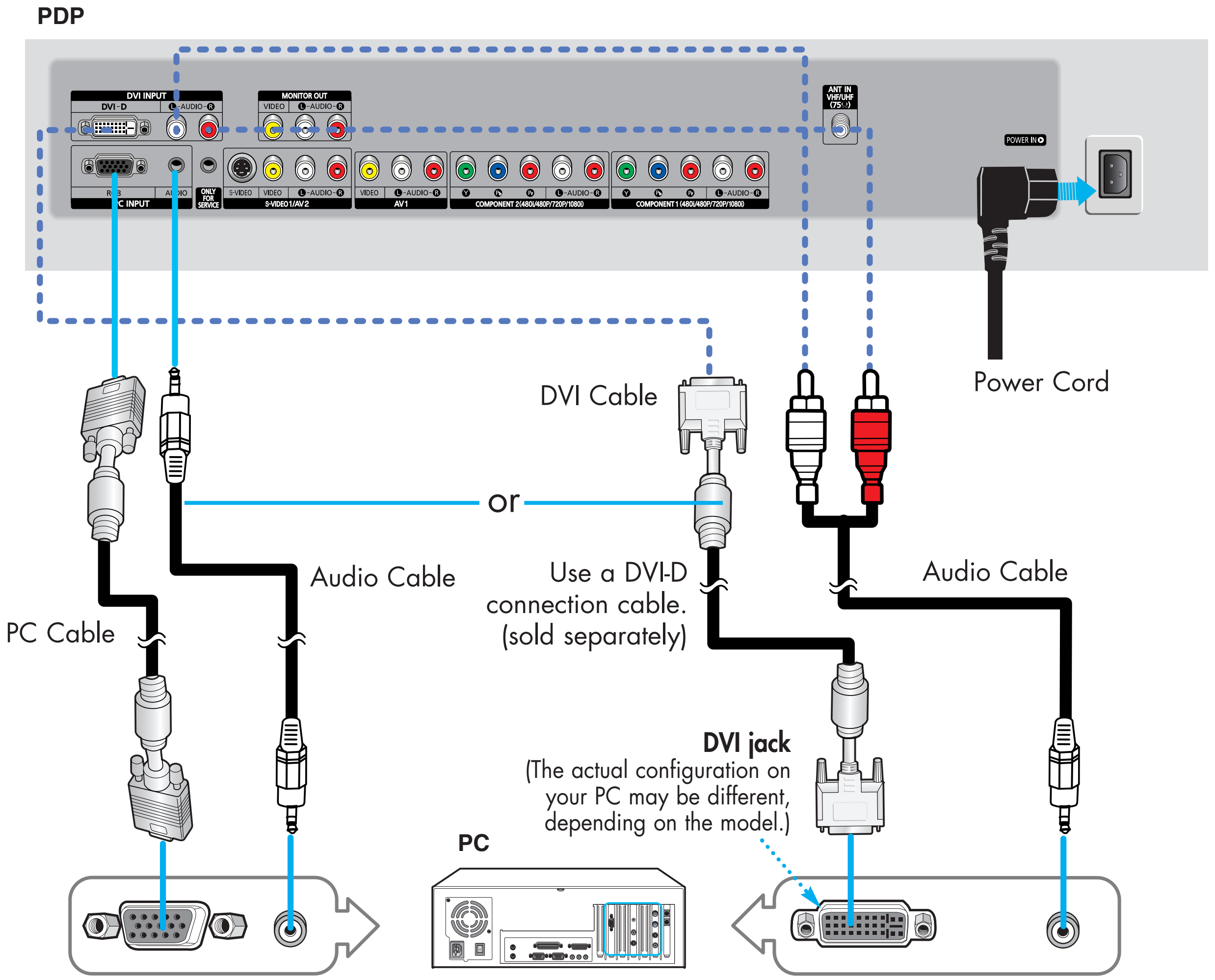
PLASMA DISPLAY PANEL

Connecting a PC and Operation

Connecting a PC 68
Adjusting the PC Screen 72
Changing the Position of the Image 73
Picture Quality Adjustment 74
Information 77

Connecting a PC

Connection to a Macintosh computer may require an adapter.


PDP
DVI INPUT
DVI-D
L-AUDIO-R
MONITOR OUT
VIDEO
L-AUDIO-R
ANT IN VHF/UHF (75Ω)
RGB
AUDIO
PC INPUT
ONLY FOR SERVICE
S-VIDEO
VIDEO
L-AUDIO-R
S-VIDEO1/AV2
VIDEO
L-AUDIO-R
AV1
Y
Pb
Pr
L-AUDIO-R
COMPONENT 2(480i/480P/720P/1080i)
Y
Pb
Pr
L-AUDIO-R
COMPONENT 1 (480i/480P/720P/1080i)
POWER IN
DVI Cable
Power Cord
or
Audio Cable
Use a DVI-D connection cable. (sold separately)
Audio Cable
PC Cable
DVI jack
(The actual configuration on your PC may be different, depending on the model.)
PC

Connecting a PC (15p D-SUB) to the PDP

1 Connect a PC cable between the PC Output jack on the PC and the RGB input jack on the PDP.

2 Connect a Audio cable between the Audio jack on the PC and the Audio input jacks (PC INPUT) on the PDP.

Connecting a PC (DVI) to the PDP

1 Connect a DVI cable between the PC DVI jack on the PC and the DVI-D input jack on the PDP.

2 Connect a Audio cable between the Audio jack on the PC and the Audio L/R input (DVI INPUT) jacks on the PDP.

Note

- Please be sure to match the color coded input terminals and cable jacks.

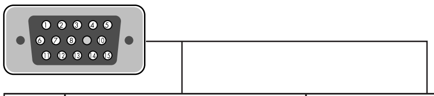
To watch the PC screen:

1. Turn on your PDP.
2. Press the SOURCE button on the remote control or SOURCE button on the front panel to select "PC".
3. Turn on your PC and check for PC system requirements. (Refer to pages 70 and 71 for PC system requirements.)
4. Adjust the PC screen. (Refer to pages 72 and 74.)

Pin Configuration

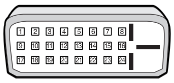
D-Sub Cable

- 15Pin Signal Cable (based on protruded pin)



Pin No.	PC IN	PC OUT
1	Red (R)	Red (R)
2	Green (G)	Green (G)
3	Blue (B)	Blue (B)
4	Grounding	Grounding
5	Grounding (DDC)	Grounding (DDC)
6	Red (R) Grounding	Red (R) Grounding
7	Green (G) Grounding	Green (G) Grounding
8	Blue (B) Grounding	Blue (B) Grounding
9	Reserved	Reserved
10	Sync Grounding	Sync Grounding
11	Grounding	Grounding
12	Data (DDC)	Data (DDC)
13	Horizontal sync.	Horizontal sync.
14	Vertical sync.	Vertical sync.
15	Clock (DDC)	Clock (DDC)

DVI-D Cable (Digital-Only Connector)



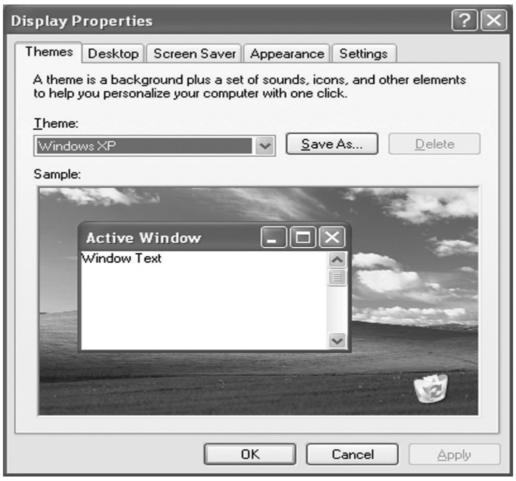
Pin No.	Signal Assignment	Pin No.	Signal Assignment
1	T.M.D.S. Data2–	13	T.M.D.S. Data3+
2	T.M.D.S. Data2+	14	+5V Power
3	T.M.D.S. Data2/4 Shield	15	Ground (for +5V)
4	T.M.D.S. Data4–	16	Hot Plug Detect
5	T.M.D.S. Data4+	17	T.M.D.S. Data0–
6	DDC Clock	18	T.M.D.S. Data0+
7	DDC Data	19	T.M.D.S. Data0/5 Shield
8	No Connect	20	T.M.D.S. Data5–
9	T.M.D.S. Data1–	21	T.M.D.S. Data5+
10	T.M.D.S. Data1+	22	T.M.D.S. Clock Shield
11	T.M.D.S. Data1/3 Shield	23	T.M.D.S. Clock+
12	T.M.D.S. Data3–	24	T.M.D.S. Clock–

Setting up Your PDP (Plug and Play)

Our adoption of the new VESA® Plug and Play solution eliminates complicated and time consuming setup. It allows you to install your monitor in a Plug and Play compatible system, without the usual setup hassles and confusion. Your PC system can easily identify and configure itself for use with your display. This monitor automatically tells the PC system its Extended Display Identification data (EDID) using Display Data Channel (DDC) protocols.

How to Set up Your PC Software (Windows only)

The Windows (MS Windows XP) display-settings for a typical computer are shown below.
The actual screens on your PC will probably be different, depending upon your particular version of Windows and your particular video card. Even if your actual screens look different, the same basic set-up information will apply in almost all cases. (If not, contact your computer manufacturer or Samsung Dealer.)

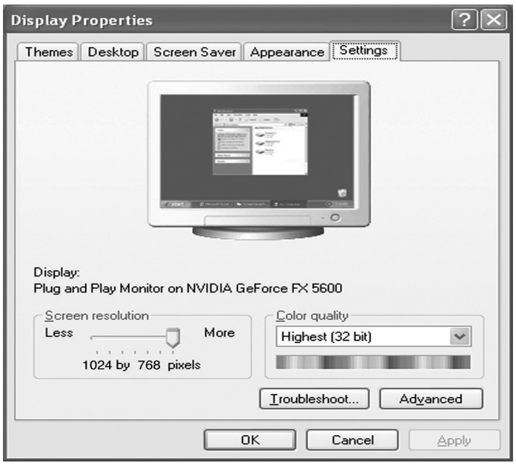

Display Properties
Themes
Desktop
Screen Saver
Appearance
Settings
Save As...
Delete
Active Window
Window Text
OK
Cancel
Apply

A theme is a background plus a set of sounds, icons, and other elements to help you personalize your computer with one click.

Theme: Windows XP

Sample:

1. Right click the mouse on the Windows Desktop, then click on [Properties].
   The <Display Dialog-Box> will be displayed.

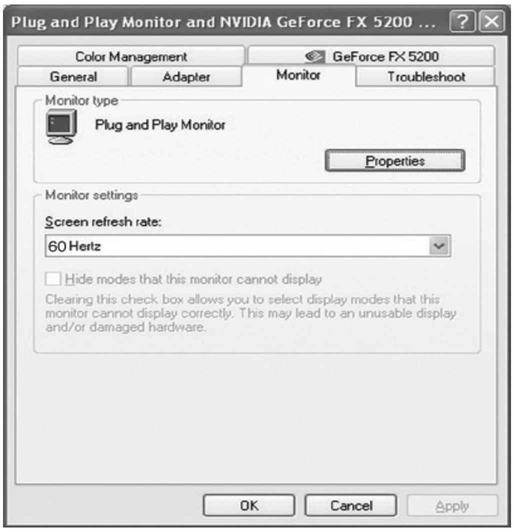

Display Properties
Themes
Desktop
Screen Saver
Appearance
Settings
Less
More
Troubleshoot...
Advanced
OK
Cancel
Apply

Display:
Plug and Play Monitor on NVIDIA GeForce FX 5600

Screen resolution: 1024 by 768 pixels

Color quality: Highest (32 bit)

2. Click on [Settings], then set the <Display Mode> by referring to the Display Modes Table on the next page.
   You do not need to change the <Colors> settings.
3. Click on [Advanced].
   A new settings dialog box will be displayed.


Plug and Play Monitor and NVIDIA GeForce FX 5200 ...
Color Management
GeForce FX 5200
General
Adapter
Monitor
Troubleshoot
Properties
OK
Cancel
Apply

Monitor type: Plug and Play Monitor

Monitor settings

Screen refresh rate: 60 Hertz

☐ Hide modes that this monitor cannot display

Clearing this check box allows you to select display modes that this monitor cannot display correctly. This may lead to an unusable display and/or damaged hardware.

4. Click on the [Monitor] tab, then set the <Screen Refresh Rate> with reference to the Display Modes Table.
   Set the <Vertical Frequency> and <Horizontal Frequency> individually if you can do so instead of setting the <Screen Refresh Rate>.
5. Press the [OK] button, close the window, then press the [OK] button on the <Display Registration Information> window.
   Automatic re-booting may commence at this moment.
6. Shutdown the PC, and connect it to your TV.

- The actual screens on your PC may look different, depending on your particular version of Windows and the type of your PC.
- When you use your TV as a PC monitor, it supports Colors up to 32 bits.
- The display on the TV may look different depending on your particular version of Windows or the PC manufacturer.
- When connecting a PC (including the DVI connection), you must set it to the display settings that are supported by the TV. Otherwise, the message ‘Out of input range’ will be displayed.

Continued...

Notes

Both screen position and size will vary, depending on the type of PC monitor and its resolution.
The table below shows all of the display modes that are supported:

Video Signal	Resolution (Dot X Line)	Vertical Frequency(Hz)	Horizontal Frequency(KHz)	Vertical Polarity	Horizontal Polarity
IBM PC / AT Compatible	640 X 350	70.086	31.469	N	P
		85.080	37.861	N	P
	640 X 400	85.080	37.861	P	N
	720 X 400	70.087	31.469	P	N
		85.039	37.927	P	N
	640 X 480	59.940	31.469	N	N
		72.809	37.861	N	N
		75.000	37.500	N	N
		85.061	43.269	N	N
	800 X 600	56.250	35.156	N/P	N/P
		60.317	37.897	P	P
		72.188	48.077	P	P
		75.000	46.875	P	P
		85.061	53.674	P	P
	848 X 480	60.000	29.838	nVidia chipset	
		72.000	36.072		
		75.000	37.650		
	1024 X 768	60.004	48.363	N	N
		70.069	56.476	N	N
		75.029	60.023	P	P
		84.997	63.677	P	P

(N: Negative / P: Positive)

- The interlace mode is not supported.
- The PDP operates abnormally if a non-standard video format is selected.
- The table above conforms to IBM/VESA regulations and is based on using the Analog Input.
- The DVI Mode is supported same as above table.

Notes

- When this PDP is used as a PC display, 32-bit color is supported.
- Depending on the manufacturer, your PC display screen might appear different. (and depending on your particular version of Windows.)

  Check your PC instruction book for information about connecting your PC to a PDP.
- If a vertical and horizontal frequency-select mode exists, select 60Hz (vertical) and 31.5kHZ (horizontal).
- In some cases, abnormal signals (such as stripes) might appear on the screen when the PC power is turned off (or if the PC is disconnected). If so, press the SOURCE button on the remote control or SOURCE button on the front panel to enter the VIDEO mode. Also, make sure that the PC is connected.
- Connect only a PC monitor to the monitor output port while viewing the PC screen. (Otherwise, random signals might appear.)

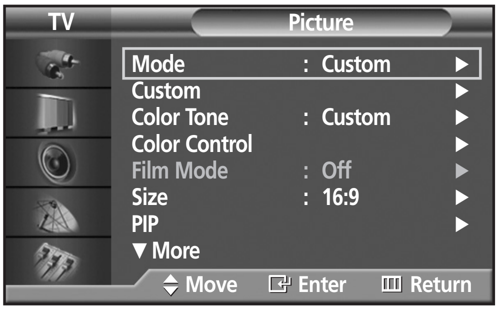
Adjusting the PC Screen

Adjusting the R.G.B

Preset:

- Press the SOURCE button to select “PC”.

1 Press the MENU button. Press the ▲ or ▼ button to select “Picture”, then press the ENTER button.



TV

Picture

Mode : Custom ▶

Custom ▶

Color Tone : Custom ▶

Color Control ▶

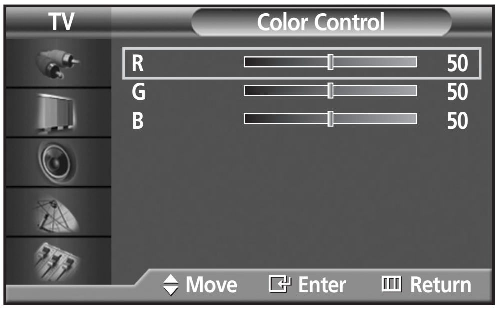
Film Mode : Off ▶

Size : 16:9 ▶

PIP ▶

▼ More

2 Press the ▲ or ▼ button to select “Color Control”, then press the ENTER button.
The “Color Control” is available only when the “Color Tone” is set to Custom and a PC is connected.



TV

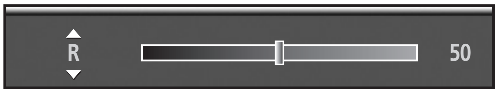
Color Control

R 50

G 50

B 50

3 Press the ▲ or ▼ button to select the item you want to change, then press the ENTER button.
Press the ◀ or ▶ button to change the value of the item, using the on-screen gauge as your guide.



R 50

4 Press the MENU button to exit.

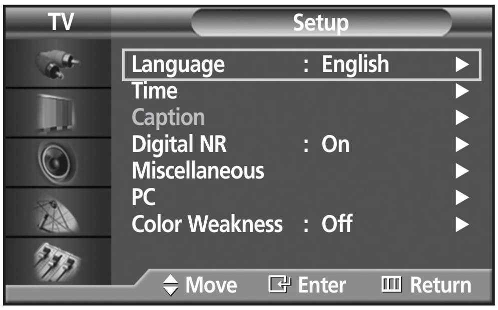
Changing the Position of the Image

After connecting the PDP to your PC, adjust the position of the screen if it is not well-aligned.

Preset:

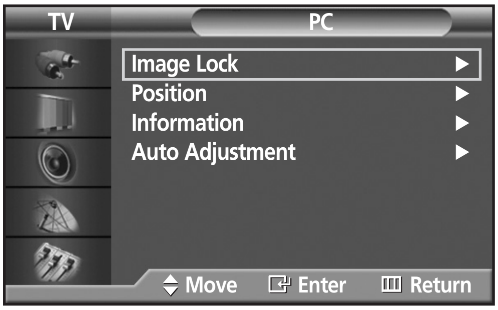
- Press the SOURCE button to select “PC.”

1 Press the MENU button. Press the ▲ or ▼ button to select “Setup”, then press the ENTER button.

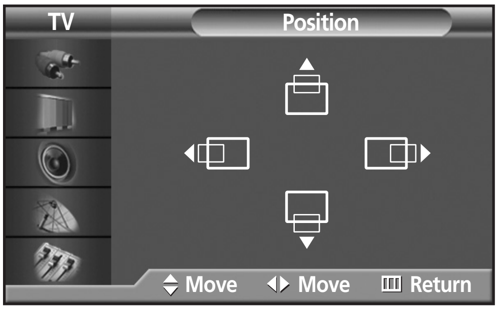

TV
Setup
Move
Enter
Return

Language : English ▶
Time ▶
Caption ▶
Digital NR : On ▶
Miscellaneous ▶
PC ▶
Color Weakness : Off ▶

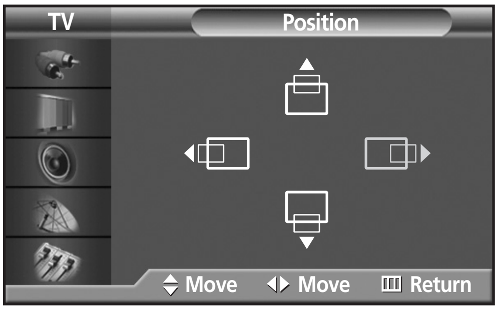
2 Press the ▲ or ▼ button to select “PC”, then press the ENTER button.


TV
PC
Image Lock ▶
Position ▶
Information ▶
Auto Adjustment ▶
Move
Enter
Return

3 Press the ▲ or ▼ button to select “Position”, then press the ENTER button.


TV
Position
Move
Move
Return

4 Adjust the position of screen by pressing the ▲ / ▼/ ◀ / ▶ button.


TV
Position
Move
Move
Return

5 Press the MENU button to exit.

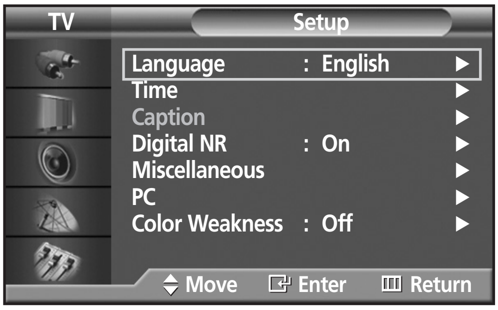
Picture Quality Adjustment

Picture Automatic Adjustment

Preset:

- Press the SOURCE button to select “PC”.

1 Press the MENU button. Press the ▲ or ▼ button to select “Setup”, then press the ENTER button.

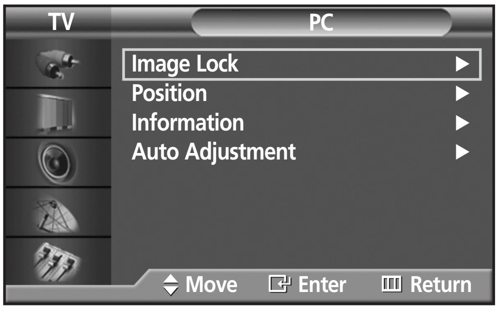

TV
Setup
Time
Caption
Miscellaneous
PC
Move
Enter
Return

Language : English

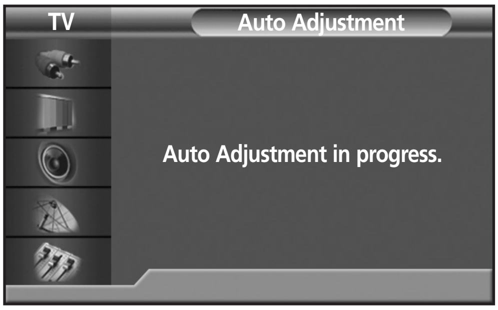
Digital NR : On

Color Weakness : Off

2 Press the ▲ or ▼ button to select “PC”, then press the ENTER button.


TV
PC
Image Lock
Position
Information
Auto Adjustment
Move
Enter
Return

3 Press the ▲ or ▼ button to select “Auto Adjustment”, then press the ENTER button. The message “Auto Adjustment in progress.” appears on the screen and the picture adjustments are automatically activated.


TV
Auto Adjustment

Auto Adjustment in progress.

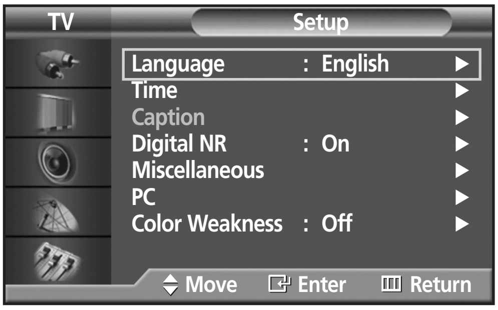
4 Press the MENU button to exit.

Coarse Adjustment

Preset:

- Press the SOURCE button to select "PC".

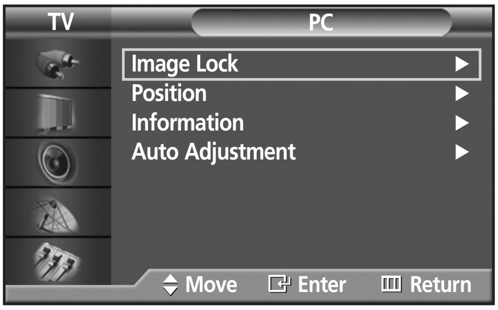
1 Press the MENU button. Press the ▲ or ▼ button to select "Setup", then press the ENTER button.



TV
Setup
Move
Enter
Return

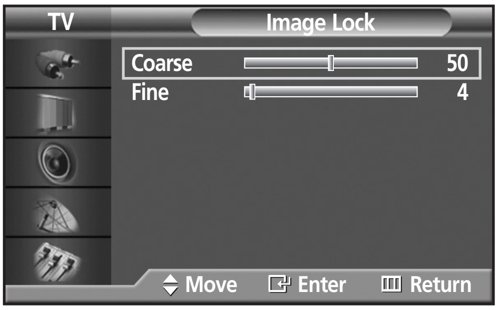
Language : English
Time
Caption
Digital NR : On
Miscellaneous
PC
Color Weakness : Off

2 Press the ▲ or ▼ button to select "PC", then press the ENTER button.



TV
PC
Image Lock
Position
Information
Auto Adjustment
Move
Enter
Return

3 Press the ▲ or ▼ button to select "Image Lock", then press the ENTER button.

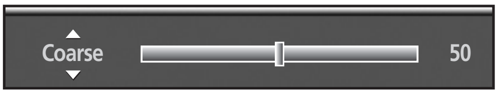


TV
Image Lock
Move
Enter
Return

Coarse 50
Fine 4

4 Press the ENTER button to select "Coarse".

Remove picture noise (vertical stripes) on the screen by pressing the ◀ or ▶ button. (If Coarse is not set properly, vertical stripes will appear on the screen.)



Coarse 50

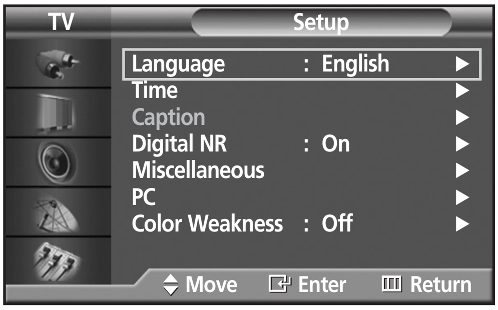
5 Press the MENU button to exit.

Fine Tuning (Fine)

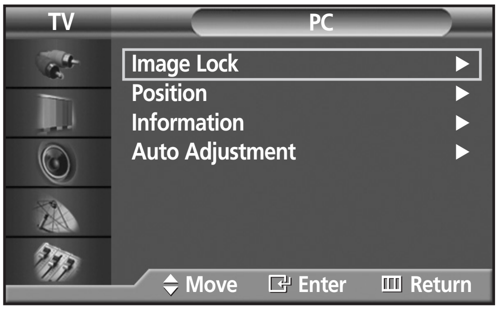
Preset:

- Press the SOURCE button to select “PC”.

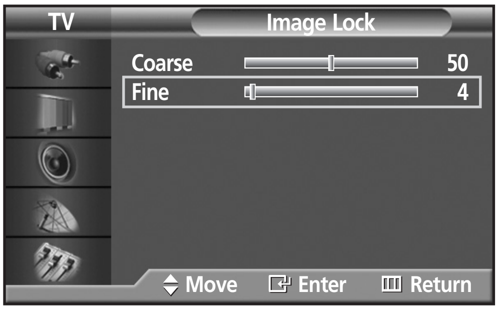
1 Press the MENU button. Press the ▲ or ▼ button to select “Setup”, then press the ENTER button.


TV
Setup
Language : English ▶
Time ▶
Caption ▶
Digital NR : On ▶
Miscellaneous ▶
PC ▶
Color Weakness : Off ▶
Move
Enter
Return

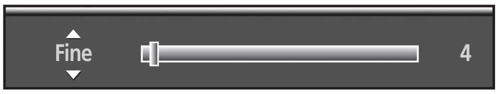
2 Press the ▲ or ▼ button to select “PC”, then press the ENTER button.


TV
PC
Image Lock ▶
Position ▶
Information ▶
Auto Adjustment ▶
Move
Enter
Return

3 Press the ▲ or ▼ button to select “Image Lock”, then press the ENTER button.


TV
Image Lock
Coarse 50
Fine 4
Move
Enter
Return

4 Press the ▲ or ▼ button to select “Fine”, then press the ENTER button.
Remove picture noise on the screen by pressing the ◀ or ▶ button. (If Fine is not set properly, noise will appear on the screen.)



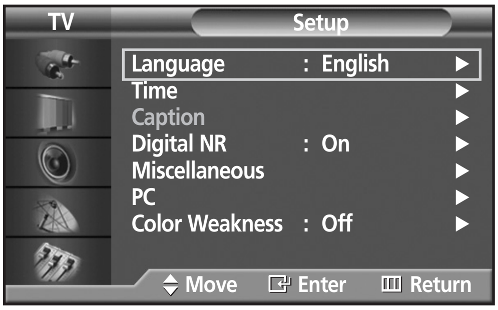
5 Press the MENU button to exit.

Information

Preset:

- Press the SOURCE button to select “PC”.

1 Press the MENU button. Press the ▲ or ▼ button to select “Setup”, then press the ENTER button.



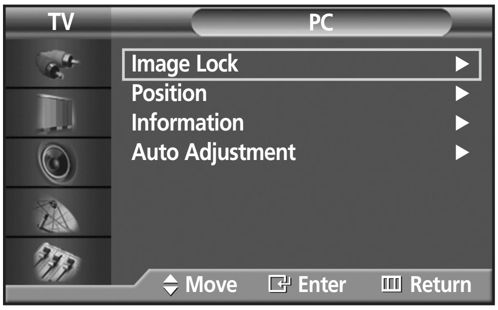
Language : English

Digital NR : On

Color Weakness : Off

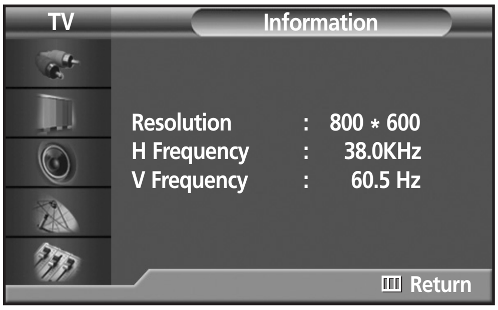
TV
Setup
Time
Caption
Miscellaneous
PC
Move
Enter
Return

2 Press the ▲ or ▼ button to select “PC”, then press the ENTER button.



TV
PC
Image Lock
Position
Information
Auto Adjustment
Move
Enter
Return

3 Press the ▲ or ▼ button to select “Information”, then press the ENTER button. The vertical, horizontal frequencies and resolution appear.



Resolution : 800 * 600

H Frequency : 38.0KHz

V Frequency : 60.5 Hz

TV
Information
Return

4 Press the MENU button to exit.

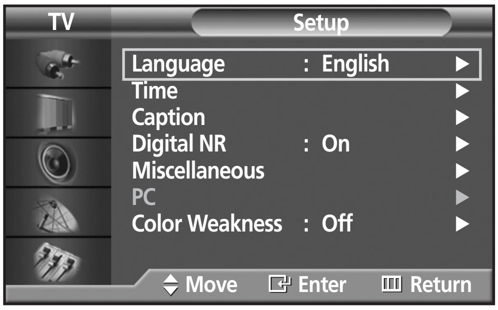
PLASMA DISPLAY PANEL

Time Setting

Setting the Clock 80
Setting the Sleep Timer...81
Setting the Timers 82

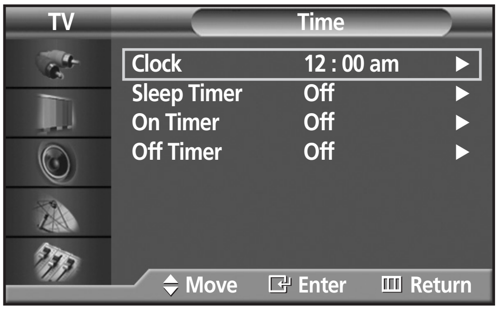
Setting the Clock

1 Press the MENU button. Press the ▲ or ▼ button to select “Setup”, then press the ENTER button.


TV
Setup
Move
Enter
Return

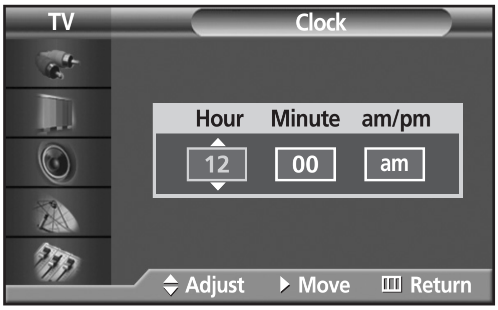
Language : English
Time
Caption
Digital NR : On
Miscellaneous
PC
Color Weakness : Off

2 Press the ▲ or ▼ button to select “Time”, then press the ENTER button.


TV
Time
Move
Enter
Return

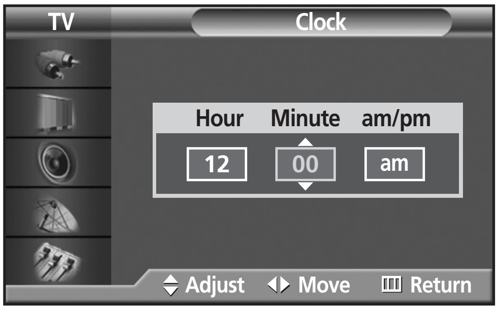
Clock 12 : 00 am
Sleep Timer Off
On Timer Off
Off Timer Off

3 Press the ENTER button to select “Clock”, then press the ▲ or ▼ button to select correct hour.


TV
Clock
Adjust
Move
Return

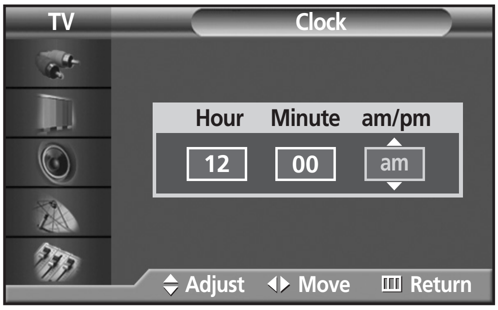
Hour	Minute	am/pm
12	00	am

4 Press the ► button to select “Minute”, then press the ▲ or ▼ button to select correct minute.


TV
Clock
Adjust
Move
Return

Hour	Minute	am/pm
12	00	am

5 Press the ► button to select “am/pm”, then press the ▲ or ▼ button to select the proper time of day (am or pm).
Press the ENTER button.


TV
Clock
Adjust
Move
Return

Hour	Minute	am/pm
12	00	am

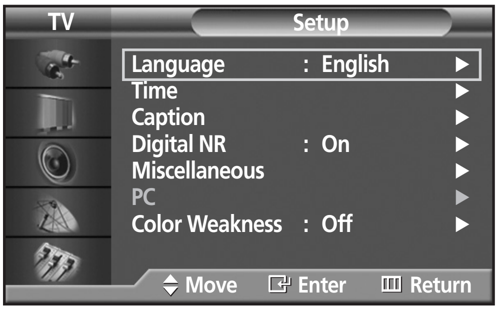
6 Press the MENU button to exit.

Setting the Sleep Timer

You can set your PDP to automatically turn off after a preset interval.

1 Press the MENU button. Press the ▲ or ▼ button to select “Setup”, then press the ENTER button.

➤ Quick way to access the sleep timer setting: Just press the “SLEEP” button on the remote control.



TV Setup

Language : English ▶

Time ▶

Caption ▶

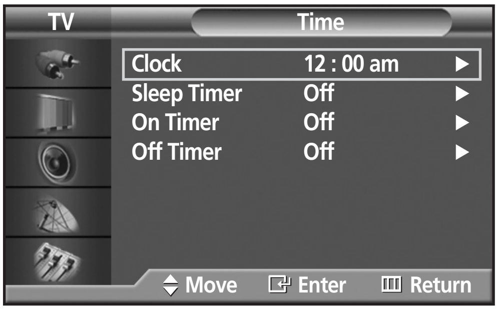
Digital NR : On ▶

Miscellaneous ▶

PC ▶

Color Weakness : Off ▶

2 Press the ▲ or ▼ button to select “Time”, then press the ENTER button.



TV Time

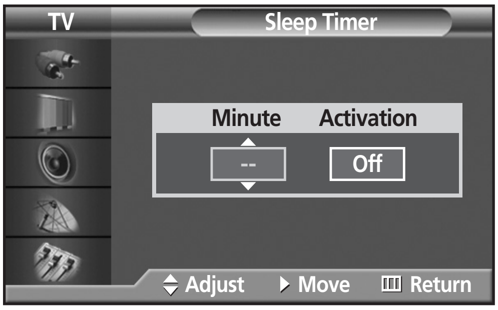
Clock 12 : 00 am ▶

Sleep Timer Off ▶

On Timer Off ▶

Off Timer Off ▶

3 Press the ▲ or ▼ button to select “Sleep Timer”, then press the ENTER button.

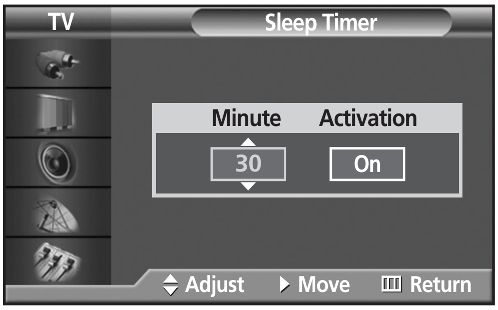


TV Sleep Timer

Minute: --

Activation: Off

4 Press the ▲ or ▼ button to select the time interval for the PDP to stay on. The interval ranges from 30 to 180 minutes.

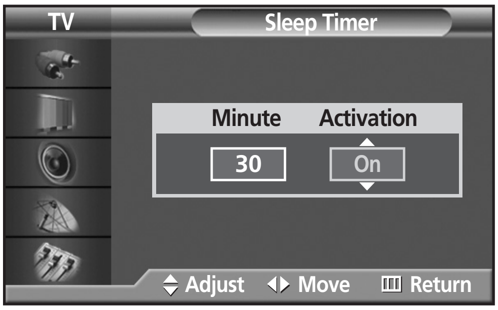


TV Sleep Timer

Minute: 30

Activation: On

5 Press the ▶ button to select “Activation”, then press the ▲ or ▼ button to select “On” or “Off”.



TV Sleep Timer

Minute: 30

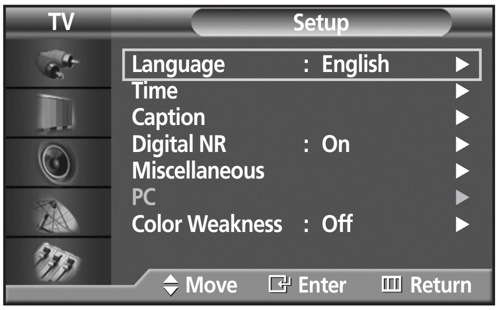
Activation: On

6 Press the MENU button to exit.

Setting the Timers

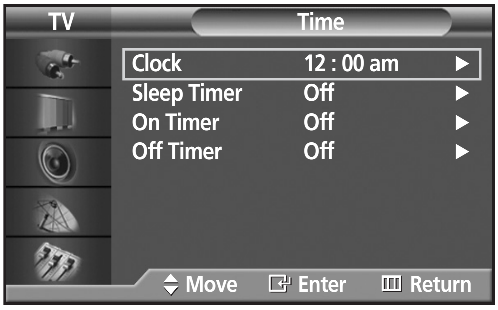
This PDP can be set to turn on or off automatically at specific times that you choose. Before using the timers, you must set the PDP's clock, as described previously.

1 Press the MENU button. Press the ▲ or ▼ button to select "Setup", then press the ENTER button.


TV
Setup
Move
Enter
Return

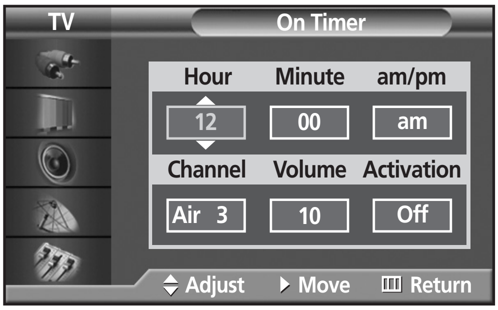
Language : English ▶
Time ▶
Caption ▶
Digital NR : On ▶
Miscellaneous ▶
PC ▶
Color Weakness : Off ▶

2 Press the ▲ or ▼ button to select "Time", then press the ENTER button.


TV
Time
Move
Enter
Return

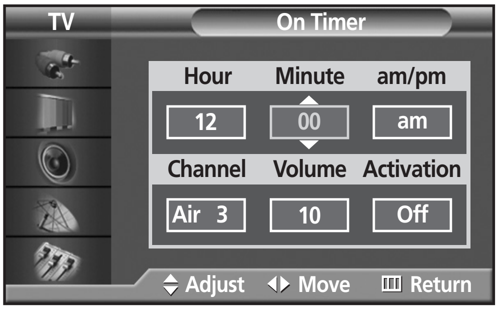
Clock 12 : 00 am ▶
Sleep Timer Off ▶
On Timer Off ▶
Off Timer Off ▶

3 Press the ▲ or ▼ button to select "On Timer". Press the ENTER button to select "Hour", then press the ▲ or ▼ button to select correct hour.


TV
On Timer
Adjust
Move
Return

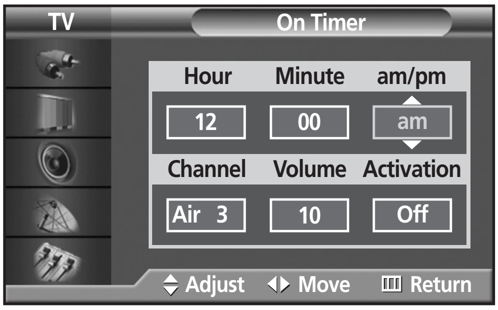
Hour 12 Minute 00 am/pm am
Channel Air 3 Volume 10 Activation Off

4 Press the ▶ button to select "Minute", then press the ▲ or ▼ button to select correct minute.


TV
On Timer
Adjust
Move
Return

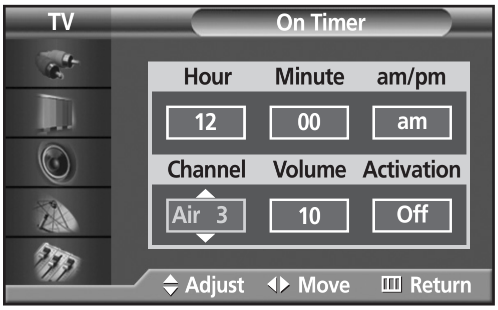
Hour 12 Minute 00 am/pm am
Channel Air 3 Volume 10 Activation Off

5 Press the ▶ button to select "am/pm", then press the ▲ or ▼ button to select the proper time of day (am or pm).


TV
On Timer
Adjust
Move
Return

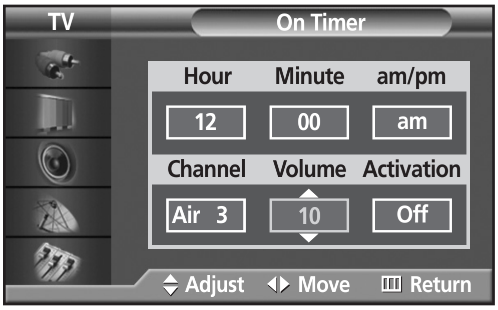
Hour 12 Minute 00 am/pm am
Channel Air 3 Volume 10 Activation Off

6 Press the ▶ button to select “Channel”, then press the ▲ or ▼ button to select the channel you want when PDP turns on.


TV
On Timer
Adjust
Move
Return

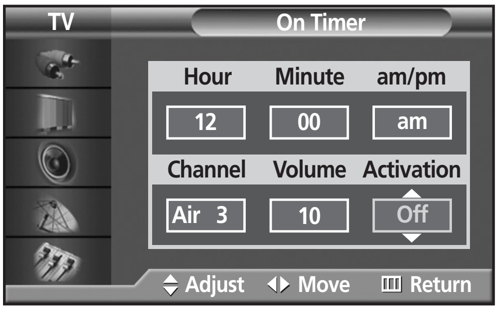
Hour	Minute	am/pm
12	00	am
Channel	Volume	Activation
Air 3	10	Off

7 Press the ▶ button to select “Volume”, then press the ▲ or ▼ button to select the volume level you want when PDP turns on.


TV
On Timer
Adjust
Move
Return

Hour	Minute	am/pm
12	00	am
Channel	Volume	Activation
Air 3	10	Off

8 Press the ▶ button to select “Activation”, then press the ▲ or ▼ button to select “On” or “Off”.


TV
On Timer
Adjust
Move
Return

Hour	Minute	am/pm
12	00	am
Channel	Volume	Activation
Air 3	10	Off

9 If you want to set Off Time, press the MENU button. Press the ▲ or ▼ button to select “Off Timer”. Set the “Off Timer” just as you set “On Timer”.

10 Press the MENU button to exit.

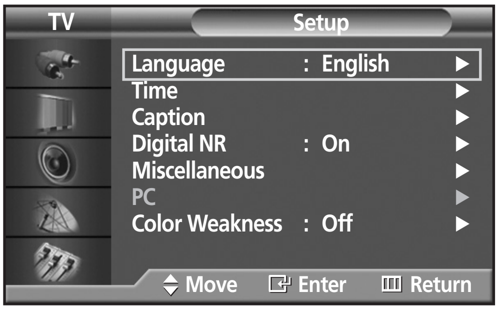
PLASMA DISPLAY PANEL

Function Description

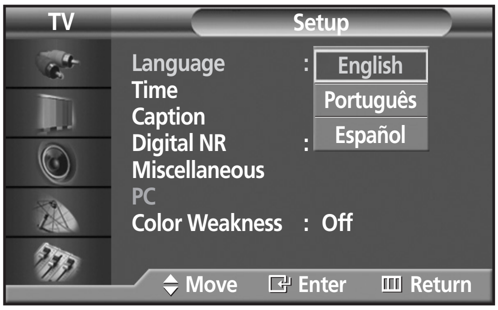
Selecting a Menu Language 86
Digital Noise Reduction 87
Selecting the Film Mode..88
Using the Color Weakness Enhancement Option 89
Setting the Melody Sound 90
Setting the Blue Screen...91
Setting the Child Lock 92
Viewing Closed Captions 93

Selecting a Menu Language

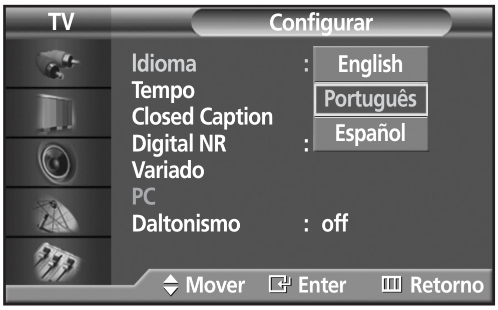
1 Press the MENU button. Press the ▲ or ▼ button to select “Setup”, then press the ENTER button.


TV
Setup
Language : English ▶
Time ▶
Caption ▶
Digital NR : On ▶
Miscellaneous ▶
PC ▶
Color Weakness : Off ▶
Move
Enter
Return

2 Press the ENTER button to select “Language”.


TV
Setup
Language :
Time
Caption
Digital NR :
Miscellaneous
PC
Color Weakness : Off
English
Português
Español
Move
Enter
Return

3 Press the ▲ or ▼ button to select the appropriate language: “English”, “Português” or “Español”. Press the ENTER button.

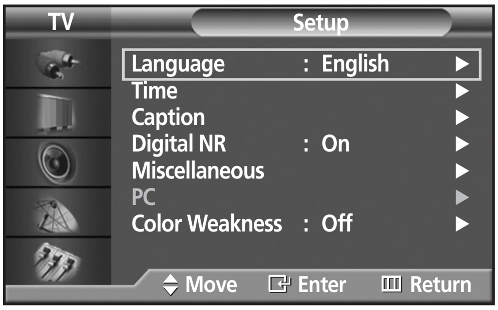

TV
Configurar
Idioma :
Tempo
Closed Caption
Digital NR :
Variado
PC
Daltonismo : off
English
Português
Español
Mover
Enter
Retorno

4 Press the MENU button to exit.

Digital Noise Reduction

If the broadcast signal received by your TV is weak, you can activate the Digital Noise Reduction feature to help reduce any static and ghosting that may appear on the screen.

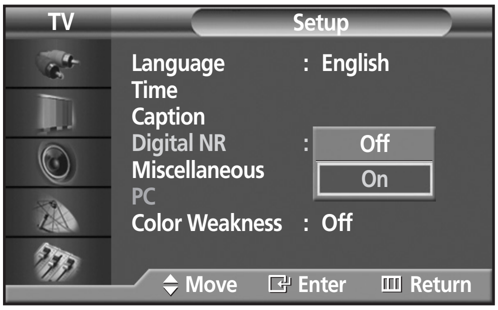
1 Press the MENU button. Press the ▲ or ▼ button to select “Setup”, then press the ENTER button.



TV Setup

Language : English ▶
Time ▶
Caption ▶
Digital NR : On ▶
Miscellaneous ▶
PC ▶
Color Weakness : Off ▶

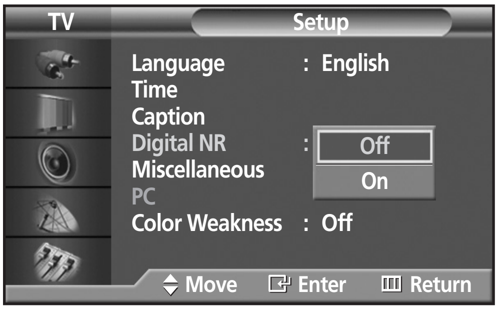
2 Press the ▲ or ▼ button to select “Digital NR”, then press the ENTER button.



TV Setup

Language : English
Time
Caption
Digital NR : Off / On
Miscellaneous
PC
Color Weakness : Off

3 Press the ▲ or ▼ button to select “On” or “Off”, then press the ENTER button.



TV Setup

Language : English
Time
Caption
Digital NR : Off / On
Miscellaneous
PC
Color Weakness : Off

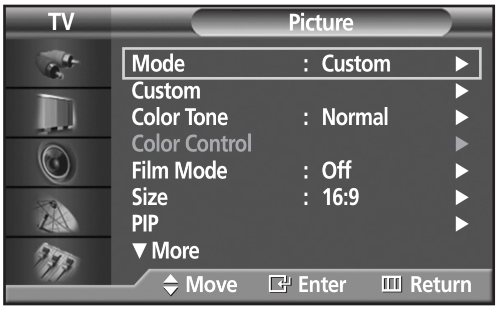
4 Press the MENU button to exit.

Selecting the Film Mode

On: Automatically senses and processes film signals from all sources and adjusts the picture for optimum quality.

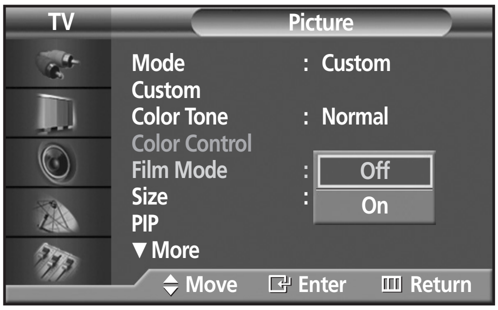
Off: Switches off the Film mode.

1 Press the MENU button. Press the ▲ or ▼ button to select “Picture”, then press the ENTER button.


TV
Picture
Custom ▶
Color Control ▶
PIP ▶
▼ More
Move
Enter
Return

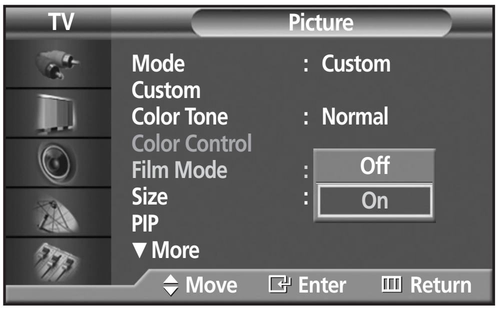
Mode : Custom ▶
Color Tone : Normal ▶
Film Mode : Off ▶
Size : 16:9 ▶

2 Press the ▲ or ▼ button to select “Film Mode”, then press the ENTER button.


TV
Picture
Custom
Color Control
Size :
PIP
▼ More
On
Move
Enter
Return

Mode : Custom
Color Tone : Normal
Film Mode : Off

3 Press the ▲ or ▼ button to select “On” or “Off”, then press the ENTER button.


TV
Picture
Custom
Color Control
Off
Size :
PIP
▼ More
Move
Enter
Return

Mode : Custom
Color Tone : Normal
Film Mode : On

4 Press the MENU button to exit.

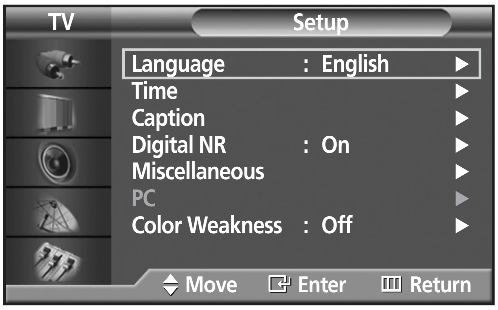
Note

- Film mode is supported in TV, VIDEO, S-VIDEO, and COMPONENT 480i.

Using the Color Weakness Enhancement Option

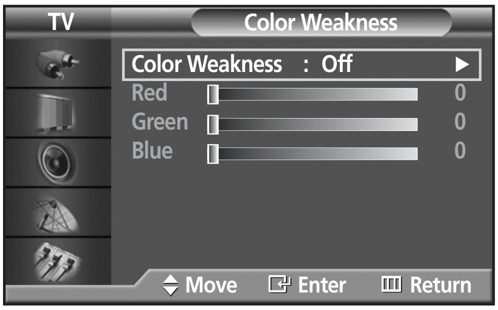
This option adjusts the Red, Green or Blue color to enhance the image according to the user's particular color weakness.

1 Press the MENU button. Press the ▲ or ▼ button to select “Setup”, then press the ENTER button.


TV
Setup
Move
Enter
Return

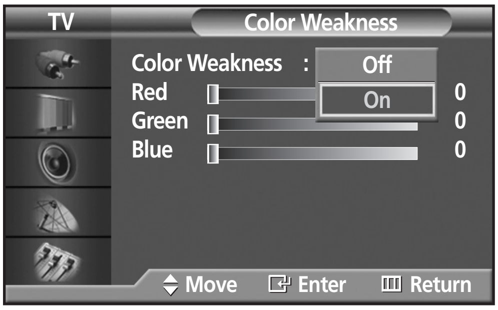
Language : English ▶
Time ▶
Caption ▶
Digital NR : On ▶
Miscellaneous ▶
PC ▶
Color Weakness : Off ▶

2 Press the ▲ or ▼ button to select “Color Weakness ”, then press the ENTER button.


TV
Color Weakness
Move
Enter
Return

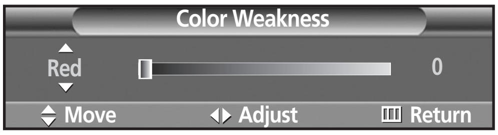
Color Weakness : Off ▶
Red 0
Green 0
Blue 0

3 Press the ENTER button. Press the ▲ or ▼ button to select “On”, then press the ENTER button.
You will also see the items “Red“, “Green“, and “Blue“.
- Pressing the ▲ or ▼ button will alternate between “On” and “Off”.


TV
Color Weakness
Off
On
Move
Enter
Return

Color Weakness :
Red 0
Green 0
Blue 0

4 Press the ▲ or ▼ button to select the item you wish to change, then press the ENTER button.
Press the ◀ or ▶ button to change the value of the item, then press the ENTER button.


Color Weakness
Move
Adjust
Return

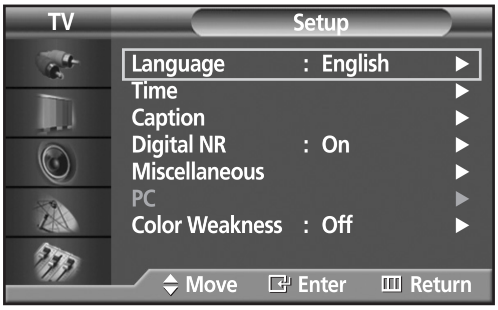
Red 0

5 Press the MENU button to exit.

Setting the Melody Sound

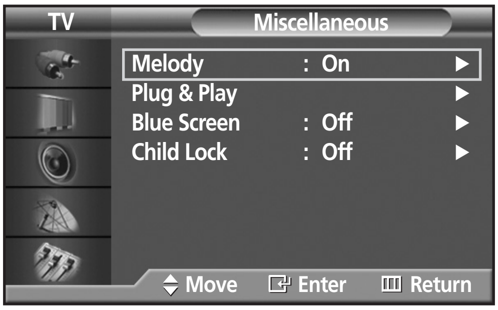
You can hear clear melody sound when the television is powered on or off.

1 Press the MENU button. Press the ▲ or ▼ button to select “Setup”, then press the ENTER button.


TV
Setup
Move
Enter
Return

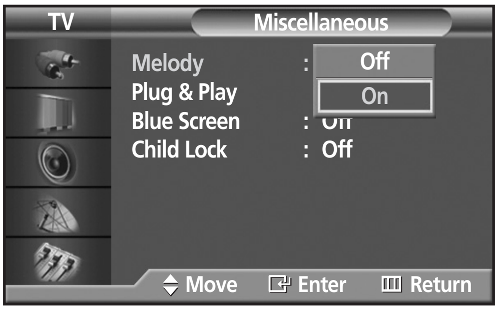
Language : English
Time
Caption
Digital NR : On
Miscellaneous
PC
Color Weakness : Off

2 Press the ▲ or ▼ button to select “Miscellaneous”, then press the ENTER button.


TV
Miscellaneous
Move
Enter
Return

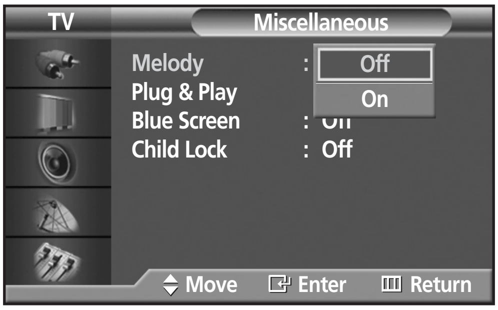
Melody : On
Plug & Play
Blue Screen : Off
Child Lock : Off

3 Press the ▲ or ▼ button to select “Melody”, press the ENTER button.


TV
Miscellaneous
Move
Enter
Return

Melody : Off / On
Plug & Play
Blue Screen :
Child Lock : Off

4 Press the ▲ or ▼ button to change the setting. (On or Off)


TV
Miscellaneous
Move
Enter
Return

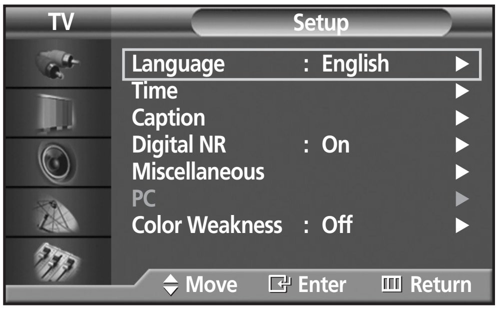
Melody : Off / On
Plug & Play
Blue Screen :
Child Lock : Off

5 Press the MENU button to exit the menu.

Setting the Blue Screen

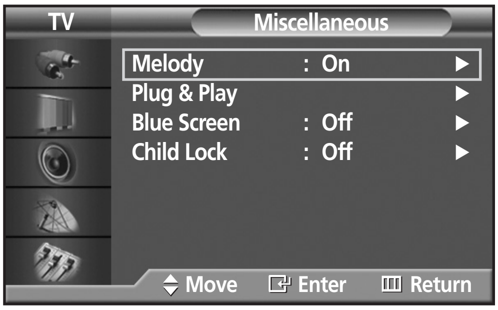
If no signal is being received or the signal is very weak, a blue screen automatically replaces the noisy picture background. If you wish to continue viewing the poor picture, you must set the “Blue Screen” mode to “Off”.

1 Press the MENU button. Press the ▲ or ▼ button to select “Setup”, then press the ENTER button.


TV
Setup
Move
Enter
Return

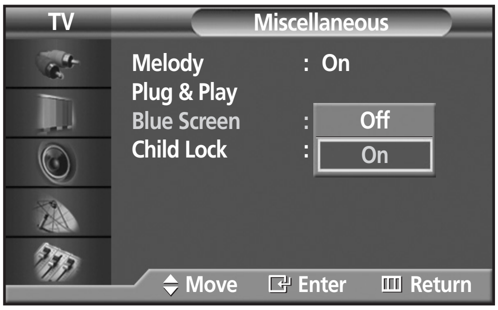
Language : English ▶
Time ▶
Caption ▶
Digital NR : On ▶
Miscellaneous ▶
PC ▶
Color Weakness : Off ▶

2 Press the ▲ or ▼ button to select “Miscellaneous”, then press the ENTER button.


TV
Miscellaneous
Move
Enter
Return

Melody : On ▶
Plug & Play ▶
Blue Screen : Off ▶
Child Lock : Off ▶

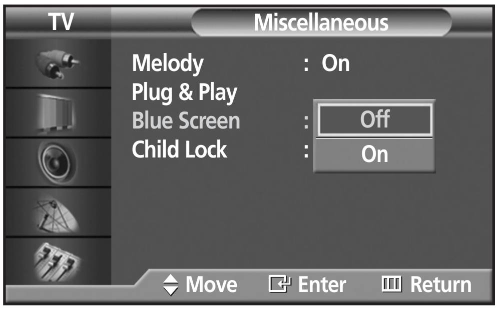
3 Press the ▲ or ▼ button to select “Blue Screen”, Press the ENTER button.


TV
Miscellaneous
Move
Enter
Return

Melody : On
Plug & Play
Blue Screen : Off
Child Lock : On

4 Press the ▲ or ▼ button to select “On” or “Off”, then press the ENTER button.

➤ **Blue Screen is displayed when there is no signal from an external device in the External Mode, regardless of the Blue Screen Setting.**


TV
Miscellaneous
Move
Enter
Return

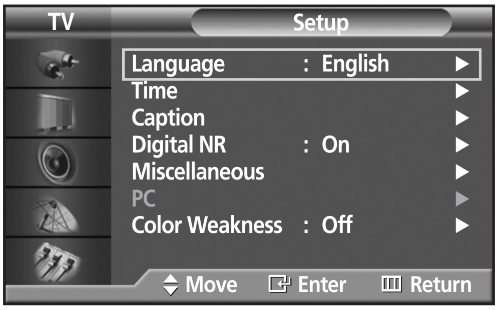
Melody : On
Plug & Play
Blue Screen : Off
Child Lock : On

5 Press the MENU button to exit.

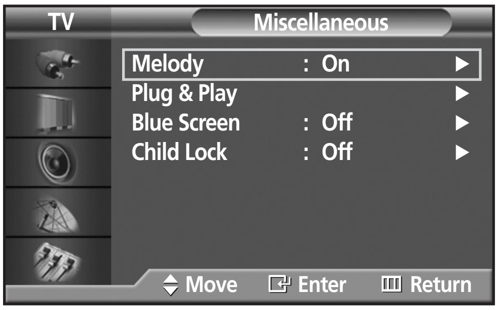
Setting the Child Lock

This feature allows you to lock the television so that it cannot be switched on via the front panel. It can, however, still be switched on via the remote control. Thus, by keeping the remote control away from unauthorised users, such as children, you can prevent them from watching unsuitable programme.

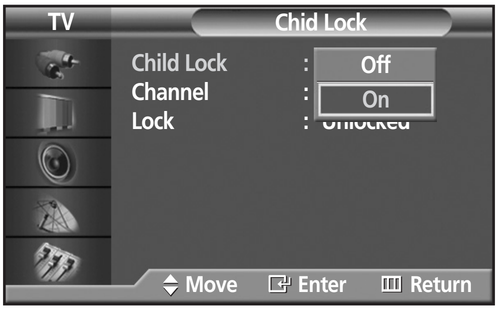
1 Press the MENU button. Press the ▲ or ▼ button to select “Setup”, then press the ENTER button.


TV
Setup
Language : English ▶
Time ▶
Caption ▶
Digital NR : On ▶
Miscellaneous ▶
PC ▶
Color Weakness : Off ▶
Move
Enter
Return

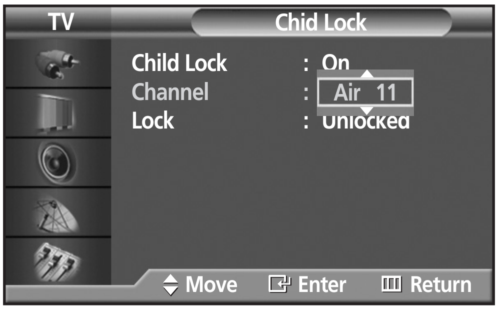
2 Press the ▲ or ▼ button to select “Miscellaneous”, then press the ENTER button.
Press the ▲ or ▼ button to select “Child Lock”, then press the ENTER button.


TV
Miscellaneous
Melody : On ▶
Plug & Play ▶
Blue Screen : Off ▶
Child Lock : Off ▶
Move
Enter
Return

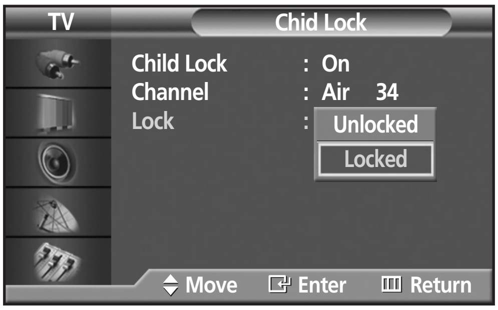
3 Press the ENTER button to select “Child Lock”, press the ENTER button. Press the ▲ or ▼ button to select “On” or “Off”, then press the ENTER button.


TV
Chid Lock
Child Lock :
Channel :
Lock :
Off
On
Move
Enter
Return

4 Press the ▲ or ▼ button to select “Channel”, then press the ENTER button.
Press the ▲ or ▼ button to change the channel, then press the ENTER button.


TV
Chid Lock
Child Lock : On
Channel : Air 11
Lock : Unlocked
Move
Enter
Return

5 Press the ▲ or ▼ button to select “Lock”, then press the ENTER button. Press the ▲ or ▼ button to select “Unlocked” or “Locked”, then press the ENTER button.


TV
Chid Lock
Child Lock : On
Channel : Air 34
Lock :
Unlocked
Locked
Move
Enter
Return

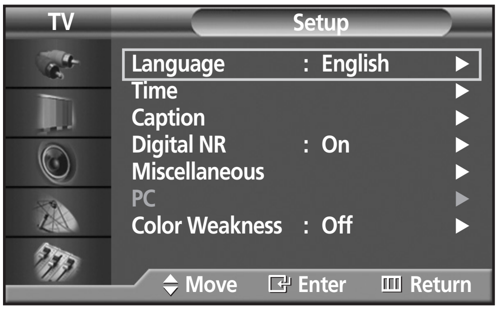
6 Press the MENU button to exit the menu.

Viewing Closed Captions

Your TV decodes and displays the closed captions that are broadcast with certain TV shows. These captions are usually subtitles for the hearing impaired or foreign language translations. All VCRs record the closed caption signal from television programs, so home-recorded video tapes also provide closed captions. Most prerecorded commercial video tapes provide closed captions as well. Check for the closed caption symbol in your television schedule and on the tape's packaging: CC .

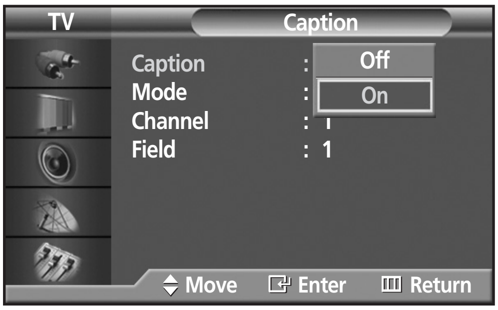
Note: The Caption feature does not work with DVD or DTV signals.

1 Press the MENU button. Press the ▲ or ▼ button to select "Setup", then press the ENTER button. Press the ▲ or ▼ button to select "Caption", then press the ENTER button.



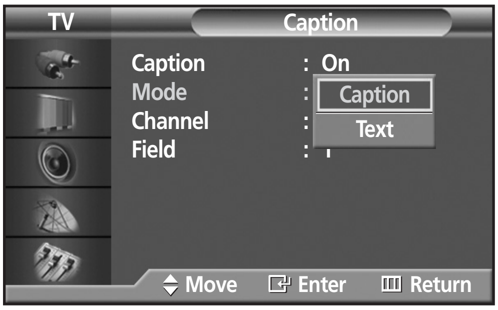
Language : English ▶
Time ▶
Caption ▶
Digital NR : On ▶
Miscellaneous ▶
PC ▶
Color Weakness : Off ▶

2 Press the ENTER button to select "Caption". Press the ▲ or ▼ button to turn closed caption on/off, then press the ENTER button.



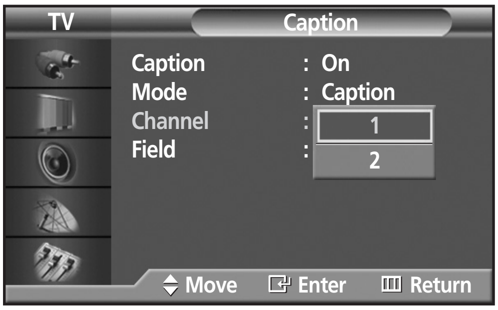
Caption :
Mode :
Channel :
Field : 1

3 Press the ▲ or ▼ button to select "Mode", then press the ENTER button. Press the ▲ or ▼ button to select "Text" or "Caption", then press the ENTER button.



Caption : On
Mode :
Channel :
Field :

4 Depending on the particular broadcast, it might be necessary to make changes to "Channel" and "Field": Press the ▲ / ▼/ ◀ / ▶ button to make the changes. (Follow the same procedure as in steps 3 above.)



Caption : On
Mode : Caption
Channel :
Field :

5 Press the MENU button to exit.

Note

- Different channels and fields display different information: Field 2 carries additional information that supplements the information in Field 1. (For example, Channel 1 may have subtitles in English, while Channel 2 has subtitles in Spanish.)

PLASMA DISPLAY PANEL

Appendix

Troubleshooting....................96
Care and Maintenance....................97
Specifications....................98

? Troubleshooting

If the TV seems to have a problem, first try this list of possible problems and solutions.
If none of these troubleshooting tips apply, then call your nearest service center.

Problem	Possible Solution
Poor picture.	Check all wire connections.
Your Remote control does not operate the PDP.	Press the “MODE” button to put your remote control in the “TV” mode.
The PDP won’t turn on.	Check if the power plug is connected.
There is no screen image.	Check to see that both the PDP and the source are plugged in and turned on.
The image is too light or too dark.	Adjust the Brightness or Contrast settings.
The image is too large or too small.	Adjust the Size settings.

Care and Maintenance

With proper care, your PDP will give you many years of service. Please follow these guidelines to get the maximum performance from your PDP.

Identifying Problems

- Do not put the PDP near extremely hot, cold, humid or dusty places.
- Do not put the PDP near appliances that create magnetic fields.
- Keep the ventilation openings clear.
- Do not place the PDP on a rough and slanted surface, such as cloth or paper.

Liquids

- Do not place liquids near or on the PDP.

Cabinet

- Never open the cabinet or touch the parts inside.
- Wipe your PDP with a clean, dry cloth. Never use water, cleaning fluids, wax, or chemicals.
- Do not put heavy objects on top of the cabinet.

Temperature

- If your PDP is suddenly moved from a cold to a warm place, unplug the power cord for at least two hours so that moisture that may have formed inside the unit can dry completely.

Specifications

Exterior design and product specifications are subject to change without prior notice to improve the performance of this product.

Model		PL-42S4S
Dimensions	Display	1050 (W) X 86 (D) X 755 (H) mm
Weight	Display	36 kg ; 79 lbs
Voltage		100-250 V~, 60 Hz
Power Consumption		330 W
Number of Pixels		852 (H) x 480 (V)
Screen Size		107 Cm / 42 inches
ANTENNA input		VHF, UHF (75Ω unbalanced)
VIDEO input		AV1 AV2 AV3(SIDE) S-VIDEO 1 S-VIDEO 2 (SIDE) COMPONENT 1 - 480i / 480p / 720p / 1080i COMPONENT 2 - 480i / 480p / 720p / 1080i RGB : PC DSUB 15P DVI
AUDIO input		AV1 AV2/ S-VIDEO 1 AV3 (SIDE) / S-VIDEO 2 (SIDE) COMPONENT 1 - 480i / 480p / 720p / 1080i COMPONENT 2 - 480i / 480p / 720p / 1080i PC DVI
Monitor Output		VIDEO, AUDIO(L/R)
Speaker Output		15W+15W (8 Ω) - Internal Speaker

? Memo